

NACOmatic

Effective: 21-Oct-2010

Expires: 18-Nov-2010



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LOUISBURG	LHZ	-				
LUMBERTON	LBT	-				
MANTEO	MQI	-				
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INSTRUMENT APPROACH PROCEDURE CHARTS



IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non precision approaches are 800-2 (NDB, VOR, LOC, TACAN, LDA, VORTAC, VOR/DME, ASR or WAAS LNAV); for precision approaches 600-2 (ILS or PAR). Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility or absence of weather reporting service. Civil pilots see FAR 91. IFR Alternate Airport Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Airport Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

ALBEMARLE, NC

STANLY COUNTY **ILS or LOC Rwy 22L¹²**
NDB Rwy 22L¹
RNAV (GPS) Rwy 4R
RNAV (GPS) Rwy 22L

NA when local weather not available.

¹NA when control tower closed.

²ILS, Categories A, B, C, D, 700-2.

ANDERSON, SC

ANDERSON RGNL **ILS or LOC Rwy 5**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 35
VOR Rwy 5

NA when local weather not available.

ASHEVILLE, NC

ASHEVILLE RGNL **ILS or LOC Rwy 16¹²**
ILS or LOC Rwy 34¹²
RNAV (GPS) Rwy 16³⁴
RNAV (GPS) Rwy 34³⁵
RADAR-1, 900-2³⁴

¹NA when control tower closed.

²ILS, Categories A,B,C, 800-2; Category D, 800-2 $\frac{1}{2}$. LOC, Category D, 800-2 $\frac{1}{2}$.

³NA when local weather not available.

⁴Categories A,B, 900-2; Category C, 900-2 $\frac{1}{2}$; Category D, 900-2 $\frac{1}{2}$.

⁵Categories A,B, 1000-2, Categories C, D, 1000-3.

BARNWELL, SC

BARNWELL RGNL **RNAV (GPS) Rwy 17**
 NA when local weather not available.

BEAUFORT, NC

MICHAEL J.
 SMITH FIELD **LOC Rwy 26**
RNAV (GPS) Rwy 21
RNAV (GPS) Rwy 26

NA when local weather not available.

NAME ALTERNATE MINIMUMS

BEAUFORT, SC

BEAUFORT COUNTY **RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25
 NA when local weather not available.

BENNETTSVILLE, SC

MARLBORO COUNTY JETPORT-
 H E AVENT FIELD.. **RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25
VOR/DME-A

NA when local weather not available.

BURLINGTON, NC

BURLINGTON-ALAMANCE
 RGNL **RNAV (GPS) Rwy 6**
 NA when local weather not available.
 Category D, 800-2 $\frac{1}{2}$.

CHARLESTON, SC

CHARLESTON AFB/INTL .. **ILS or LOC Rwy 15¹**
ILS or LOC/DME Rwy 33¹
RNAV (GPS) Rwy 3²
RNAV (GPS) Rwy 15²
RNAV (GPS) Rwy 21²
RNAV (GPS) Rwy 33²
VOR/DME or TACAN Rwy 3³
VOR/DME or TACAN Rwy 21³

¹ILS, Category E, 700-2 $\frac{1}{2}$. LOC, Category E, 800-2 $\frac{1}{2}$.

²Category E, 800-2 $\frac{1}{2}$.

³Category E, NA.

CHARLESTON

EXECUTIVE..... **ILS or LOC Rwy 9**
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
VOR-A

NA when local weather not available.

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ALTERNATE MINS

NAME ALTERNATE MINIMUMS
CHARLOTTE, NC
 CHARLOTTE/DOUGLAS
 INTL ILS or LOC Rwy 23
 ILS, Categories A, B, C, D, 700-2.

CHESTER, SC
 CHESTER
 CATAWBA RGNL. NDB Rwy 35¹
 RNAV (GPS) Rwy 17
 RNAV (GPS) Rwy 35
 NA when local weather not available.
¹Category D, 800-2½.

CLEMSON, SC
 OCONEE COUNTY RGNL. RNAV (GPS) Rwy 7
 RNAV (GPS) Rwy 25
 NA when local weather not available.

CLINTON, NC
 CLINTON-
 SAMPSON COUNTY. RNAV (GPS) Rwy 6
 RNAV (GPS) Rwy 24
 VOR/DME-A
 NA when local weather not available.

COLUMBIA, SC
 COLUMBIA
 METROPOLITAN ILS or LOC Rwy 5¹
 ILS or LOC Rwy 11²
 ILS or LOC Rwy 29²
¹ILS, Categories A,B, 800-2; Category C, 800-2½; Category D, 800-2½. LOC, Category C 800-2½; Category D, 800-2½.
²ILS, Categories C, D, 700-2.

CONCORD, NC
 CONCORD RGNL ILS or LOC Rwy 20¹
 RNAV (GPS) Rwy 2²
 RNAV (GPS) Rwy 20²
 Category D, 800-2½.
¹NA when control tower closed.
²NA when local weather not available.

CURRITUCK, NC
 CURRITUCK
 COUNTY RGNL RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 23
 VOR/DME-A
 NA when local weather not available.

DARLINGTON, SC
 DARLINGTON COUNTY
 JETPORT RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 23
 VOR/DME-A
 NA when local weather not available.

M2

NAME ALTERNATE MINIMUMS
EDENTON, NC
 NORTHEASTERN RGNL LOC Rwy 19
 RNAV (GPS) Rwy 1
 RNAV (GPS) Rwy 19
 NA when local weather not available.

ELIZABETH CITY, NC
 ELIZABETH CITY
 CG AIR STATION/RGNL . ILS or LOC Rwy 10¹²
 RNAV (GPS) Rwy 10
 NA when local weather not available.
¹ILS, Category D 700-2.
²ILS,LOC,NA when control tower closed.

ELIZABETHTOWN, NC
 CARL L
 BROWN JR FIELD RNAV (GPS) Rwy 15
 RNAV (GPS) Rwy 33
 VOR/DME Rwy 15
 NA when local weather not available.

ERWIN, NC
 HARNETT
 RGNL JETPORT LOC/DME Rwy 5
 RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 23
 NA when local weather not available.

FAYETTEVILLE, NC
 FAYETTEVILLE RGNL/
 GRANNIS FIELD LOC BC Rwy 22¹
 RNAV (GPS) Rwy 4
 RNAV (GPS) Rwy 22
 VOR Rwy 22
 NA when local weather not available.
¹NA when control tower closed.

FLORENCE, SC
 FLORENCE RGNL ILS or LOC Rwy 9¹²
 RNAV (GPS) Rwy 1
 RNAV (GPS) Rwy 9
 RNAV (GPS) Rwy 19
 RNAV (GPS) Rwy 27
 VOR or TACAN-A
 NA when local weather not available.
¹ILS, Categories A,B,C, 700-2; Category D, 700-2½. LOC, Category D, 800-2½.
²NA when control tower closed.

FRANKLIN, NC
 MACON COUNTY RNAV (GPS)-A
 NA when local weather not available.
 Categories A, B, 1600-2; Category C, 1800-3.

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NAME ALTERNATE MINIMUMS
GASTONIA, NC
 GASTONIA MUNI RNAV (GPS) Rwy 21
 NA when local weather not available.

GEORGETOWN, SC
 GEORGETOWN
 COUNTY RNAV (GPS) Rwy 23
 NA when local weather not available.
 Category D, 800-2½.

GOLDSBORO, NC
 GOLDSBORO-
 WAYNE MUNI RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 23
 VOR-A
 NA when local weather not available.

GREENSBORO, NC
 PIEDMONT TRIAD INTL... RNAV (GPS) Rwy 14
 RNAV (GPS) Rwy 32
 NA when local weather not available.

GREENVILLE, NC
 PITT-GREENVILLE RNAV (GPS) Rwy 8
 RNAV (GPS) Rwy 20
 RNAV (GPS) Rwy 26
 NA when local weather not available.

GREENVILLE, SC
 DONALDSON CENTER ILS or LOC Rwy 5
 NA when local weather not available.
 NA when control tower closed.

GREENVILLE
 DOWNTOWN ILS or LOC Rwy 11²³
 RNAV (GPS) Rwy 1²⁴
 RNAV (GPS) Rwy 10²⁴
 RNAV (GPS) Rwy 19²⁴
 RADAR-1¹⁴

¹NA when control tower closed.
²NA when local weather not available.
³ILS, Category D, 700-2. LOC, Category D,
 800-2½.
⁴Category D, 800-2½.

GREENWOOD, SC
 GREENWOOD
 COUNTY NDB or GPS Rwy 27
 VOR OR GPS Rwy 9
 VOR Rwy 27
 NA when local weather not available.

M3

NAME ALTERNATE MINIMUMS
GREER, SC
 GREENVILLE-SPARTANBURG
 INTL-ROGER MILLIKEN ILS or LOC Rwy 4
 ILS or LOC Rwy 22
 RADAR-1
 RNAV (GPS) Rwy 4
 RNAV (GPS) Rwy 22
 NA when local weather not available.

JACKSONVILLE, NC
 ALBERT J ELLIS ILS or LOC Rwy 5
 RNAV (GPS) Rwy 5
 NA when local weather not available.

JEFFERSON, NC
 ASHE COUNTY LOC Rwy 28
 RNAV (GPS) Rwy 28
 Categories A, B, 1100-2; Category C, 1100-3;
 Category D, 1500-3.
 NA when local weather not available.

KINGSTREE, SC
 WILLIAMSBURG RGNL RNAV (GPS) Rwy 32
 NA when local weather not available.
 Category D, 1000-3.

KINSTON, NC
 KINSTON RGNL JETPORT AT
 STALLINGS FIELD ILS Rwy 5¹²
 RNAV (GPS) Rwy 5³
 RNAV (GPS) Rwy 23³
 VOR Rwy 23¹

¹NA when control tower closed.
²Category D, 700-2.
³NA when local weather not available.

LANCASTER, SC
 LANCASTER COUNTY-
 MC WHIRTER FIELD RNAV (GPS) Rwy 6
 RNAV (GPS) Rwy 24
 VOR/DME-A¹

NA when local weather not available.
¹Categories A, B, 900-2; Category C, 900-2½;
 Category D, 900-2½.

LINCOLNTON, NC
 LINCOLNTON-LINCOLN
 COUNTY RGNL RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 23
 NA when local weather not available.

LOUISBURG, NC
 TRIANGE
 NORTH EXECUTIVE RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 23
 VOR/DME-A
 NA when local weather not available.

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NAME ALTERNATE MINIMUMS
MONROE, NC
 CHARLOTTE-
 MONROE EXECUTIVE RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 23
 NA when local weather not available.

MORGANTON, NC
 FOOTHILLS RGNL RNAV (GPS) Rwy 3
 RNAV (GPS) Rwy 21
 NA when local weather not available.

MOUNT AIRY, NC
 MOUNT AIRY/
 SURRY COUNTY RNAV (GPS) Rwy 18
 RNAV (GPS) Rwy 36
 NA when local weather not available.
 Category C, 900-2½; Category D, 1000-3.

MOUNT PLEASANT, SC
 MT PLEASANT RGNL-
 FAISON FIELD RNAV (GPS) Rwy 17
 RNAV (GPS) Rwy 35
 VOR/DME-A
 NA when local weather not available.

NEW BERN, NC
 COASTAL CAROLINA
 RGNL RNAV (GPS) Rwy 4
 RNAV (GPS) Rwy 22
 VOR Rwy 4
 VOR Rwy 22
 NA when local weather not available.

NEWBERRY, SC
 NEWBERRY COUNTY NDB Rwy 22
 RNAV (GPS) Rwy 4
 RNAV (GPS) Rwy 22
 NA when local weather not available.

NORTH MYRTLE BEACH, SC
 GRAND STRAND ILS or LOC/DME Rwy 23¹
 RNAV (GPS) Rwy 5²
 RNAV (GPS) Rwy 23²
 VOR Rwy 5²
 VOR Rwy 23²
 NA when local weather not available.
¹ILS, Category D, 700-2½. LOC, Category D,
 800-2½.
²Category D, 800-2½.

OAK ISLAND, NC
 CAPE FEAR RGNL JETPORT/HOWIE
 FRANKLIN FIELD RNAV (GPS) Rwy 5
 NA when local weather not available.

M4

NAME ALTERNATE MINIMUMS
ORANGEBURG, SC
 ORANGEBURG MUNI RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 17
 RNAV (GPS) Rwy 23
 RNAV (GPS) Rwy 35
 NA when local weather not available.
 Category D, 800-2½.

OXFORD, NC
 HENDERSON-OXFORD LOC Rwy 6
 NDB Rwy 6
 RNAV (GPS) Rwy 6
 RNAV (GPS) Rwy 24
 NA when local weather not available.

RALEIGH/DURHAM, NC
 RALEIGH-DURHAM
 INTL ILS or LOC Rwy 5L¹
 ILS or LOC Rwy 5R¹
 ILS or LOC Rwy 23L²
 ILS or LOC Rwy 23R²
 NDB Rwy 23L³
 VOR Rwy 32⁴

¹ILS, Category D, 700-2.

²ILS, Categories A,B, 800-2; Category C, 800-2½; Category D, 800-2½. LOC, Category C, 800-2½; Category D, 800-2½.

³Category D, 800-2½.

⁴Category C, 800-2½; Category D, 800-2½.

REIDSVILLE, NC
 ROCKINGHAM COUNTY NC
 SHILOH NDB Rwy 31
 RNAV (GPS) Rwy 13
 RNAV (GPS) Rwy 31
 NA when local weather not available.

ROANOKE RAPIDS, NC
 HALIFAX-NORTHAMPTON
 RGNL RNAV (GPS) Rwy 2
 RNAV (GPS) Rwy 20
 VOR/DME Rwy 2
 NA when local weather not available.

ROCK HILL, SC
 ROCK HILL/YORK CO/
 BRYANT FIELD RNAV (GPS) Rwy 2
 RNAV (GPS) Rwy 20
 NA when local weather not available.

ROCKINGHAM, NC
 RICHMOND COUNTY NDB Rwy 32
 RNAV (GPS) Rwy 32
 NA when local weather not available.

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ALTERNATE MINS

M5

NAME ALTERNATE MINIMUMS
ROCKY MOUNT, NC
 ROCKY MOUNT-
 WILSON RGNL RNAV (GPS) Rwy 4
 RNAV (GPS) Rwy 22
 VOR/DME Rwy 22
 NA when local weather not available.

ROXBORO, NC
 PERSON COUNTY RNAV (GPS) Rwy 6
 RNAV (GPS) Rwy 24
 NA when local weather not available.

RUTHERFORDTON, NC
 RUTHERFORD CO/
 MARCHMAN FIELD RNAV (GPS) Rwy 1'
 RNAV (GPS) Rwy 19
 NA when local weather not available.
 1Categories A, B, 900-2; Category C, 900-2½;
 Category D, 900-3.

SHELBY, NC
 SHELBY-CLEVELAND
 COUNTY RGNL NDB Rwy 23¹
 RNAV (GPS) Rwy 5
 NA when local weather not available.
 1Category C, 800-2½; Category D, 800-2½.

SMITHFIELD, NC
 JOHNSTON COUNTY RNAV (GPS) Rwy 3
 RNAV (GPS) Rwy 21
 NA when local weather not available.
 Category D, 800-2½.

STATESVILLE, NC
 STATESVILLE RGNL RNAV (GPS) Rwy 10
 RNAV (GPS) Rwy 28
 VOR/DME Rwy 10
 NA when local weather not available.

SUMMERVILLE, SC
 SUMMERVILLE RNAV (GPS) Rwy 6
 RNAV (GPS) Rwy 24
 NA when local weather not available.
 Categories A, B, 900-2; Category C, 900-2½.

SUMTER, SC
 SUMTER RNAV (GPS) Rwy 5¹
 RNAV (GPS) Y Rwy 23
 RNAV (GPS) Z Rwy 23
 NA when local weather not available.
 1Category C, 800-2½; Category D, 800-2½.

NAME ALTERNATE MINIMUMS
WADESBORO, NC
 ANSON COUNTY-
 JEFF CLOUD FIELD RNAV (GPS) Rwy 34
 NA when local weather not available.

WALLACE, NC
 HENDERSON FIELD NDB Rwy 27
 Category D, 800-2½.

WALTERBORO, SC
 LOWCOUNTRY RGNL NDB Rwy 23
 RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 17
 RNAV (GPS) Rwy 23
 RNAV (GPS) Rwy 35
 NA when local weather not available.

WASHINGTON, NC
 WARREN FIELD RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 17
 RNAV (GPS) Rwy 23
 RNAV (GPS) Rwy 35
 NA when local weather not available.

WHITEVILLE, NC
 COLUMBUS COUNTY
 MUNI NDB Rwy 6
 RNAV (GPS) Rwy 6
 NA when local weather not available.

WILMINGTON, NC
 WILMINGTON INTL .. ILS or LOC/DME Rwy 6¹²
 ILS or LOC/DME Rwy 24¹²
 ILS Rwy 35²³
 RADAR-1³
 RNAV (GPS) Rwy 6¹
 RNAV (GPS) Rwy 17¹
 RNAV (GPS) Rwy 24¹
 RNAV (GPS) Rwy 35¹

¹NA when local weather not available.
²Category D, 700-2.
³NA when control tower closed.

WINSTON-SALEM, NC
 SMITH REYNOLDS ILS or LOC Rwy 33¹²
 RNAV (GPS) Rwy 15³⁴
 RNAV (GPS) Rwy 33³⁵
 VOR/DME Rwy 15⁵

¹NA when control tower closed.
²ILS, Categories B, C, 700-2, Category D,
 800-2½. LOC, Category D, 800-2½.
³NA when local weather not available.
⁴Category D, 800-2½.
⁵Category D, 800-2½.

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RADAR MINS

10266

RADAR INSTRUMENT APPROACH MINIMUMS

ASHEVILLE, NC

Amdt. 5A, NOV 18, 1998 (FAA)

ELEV 2165

ASHEVILLE RGNL

RADAR- 124.65 269.575 ▽ ▲

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS
ASR	34		AB	2800 /24	660 (700-½)	C	2800 /60	660 (700-1¼)
			D	2800 -1½	660 (700-1½)			
	16		A	3000 /50	835 (900-1)	B	3000 /60	835 (900-1¼)
			C	3000 -2½	835 (900-2½)	D	3000 -2¼	835 (900-2¼)
CIRCLING			A	3000 -1	835 (900-1)	B	3000 -1¼	835 (900-1¼)
			C	3000 -2½	835 (900-2½)	D	3000 -2¼	835 (900-2¼)

Circling not authorized west of Rwy 16-34. Night circling not authorized.

BEAUFORT, SC

Amdt. 3A, NOV 20, 2008 (FAA)

ELEV 10

BEAUFORT COUNTY

RADAR-1 118.45 292.125 ▲ NA

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS
ASR	25		ABC	440 -1¼	430 (500-1¼)			
CIRCLING			AB	500 -1¼	490 (500-1¼)	C	500 -1½	490 (500-1½)

Use Beaufort MCAS/Merritt Field altimeter setting.
When Beaufort Class D not in effect, procedure NA.

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SE-2

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS

10266

N1

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RADAR INSTRUMENT APPROACH MINIMUMS

BEAUFORT MCAS (KNBC), (MERRITT FLD) SC (10266 USN) ELEV 37

RADAR - (E) 123.7x 298.875x 317.775x 323.275x 372.0x 379.275x 383.6x

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATH/ HAA	CEIL-VIS
PAR ¹	23 ^{2 5}	3.0°/44/821	ABCDE	116-¾	100	(100-¾)
	5 ^{2 5}	3.0°/38/779	ABCDE	137-¾	100	(100-¾)
	32	3.0°/40/771	ABCDE	275-1	250	(300-1)
	14	3.0°/40/768	ABCDE	282-1	250	(300-1)
PAR W/O GS ¹	23 ^{4 8}		ABCDE	360-¾	344	(400-¾)
	5 ^{4 9}		ABCDE	360-1	323	(400-1)
	14 ⁹		ABCDE	380-1¼	348	(400-1¼)
	32 ⁹		ABCDE	380-1¼	355	(400-1¼)
ASR ⁹	23 ³		AB	360-½	344	(400-½)
			CDE	360-¾	344	(400-¾)
	5 ⁷		AB	460-¾	423	(500-¾)
			CD	460-1	423	(500-1)
			E	460-1¼	423	(500-1¼)
	14		ABC	420-1	388	(400-1)
			DE	420-1¼	388	(400-1¼)
	32		AB	520-1	495	(500-1)
			C	520-1¼	495	(500-1¼)
			D	520-1½	495	(500-1½)
			E	520-1¾	495	(500-1¾)
CIR	5, 14, 23		AB	500-1¼	463	(500-1¼)
			C	500-1½	463	(500-1½)
			D	600-2	563	(600-2)
			E	720-2½	683	(700-2½)
	32		AB	520-1¼	483	(500-1¼)
			C	520-1½	483	(500-1½)
			D	600-2	563	(600-2)
			E	720-2½	683	(700-2½)

¹No-NOTAM MP 1200-2000Z++ Sat. ²When ALS inop, increase vis CAT ABCDE to ½ mile.³When ALS inop, increase vis CAT ABC to 1 mile, CAT DE to 1¼ miles. ⁴When ALS inop,increase vis CAT ABCDE to 1¼ miles. ⁵CAUTION: PAR and VGSI not coincident. ⁶Cross 2 NM from touchdown, 640 min alt. ⁷When ALS inop, increase vis CAT AB to 1 mile, CAT CD to 1¼ miles, CAT E to 1½ miles. ⁸VDA and VGSI not coincident. ⁹Cross 2 NM from touchdown 660 min alt.**BOGUE MCALF (KNJM), NC (10070 USA)**

ELEV 22

RADAR¹ - (E) 328.4 119.5x 361.2x 341.3x 336.4x 336.5x 363.6x ▽

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATH/ HAA	CEIL-VIS
PAR	23 ²	3.0°/37/706	ABCDE	271-1	250	(300-1)
ASR	23 ^{2 3}		ABCDE	400-1	379	(400-1)

¹RADAR svc avbl by PPR only, during sked field hrs, etc ATC DSN 582-0697, C252-466-0697 for PPR. ²CAUTION: 20:1 visual area penetrated. Procedure NA at night. ³When ALS inop, increase vis CAT CDE to 1¼ miles.

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS

RADAR INSTRUMENT APPROACH MINIMUMS

CHERRY POINT MCAS (KNKT), (CUNNINGHAM FLD) NC(09239 USN) ELEV 29

RADAR - (E) 118.35x 120.15x 275.6x 299.6x 305.2x 314.8x 320.4x 337.2x 348.0x ▽

PAR	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
PAR	32L ^{1 3}	3.0°/36/668	ABCDE	126-¼	100	(100-¼)
	23R	3.0°/55/1051	AB	273-¾	250	(300-¾)
			CDE	273-1	250	(300-1)
	14L ³	3.0°/40/763	ABCDE	126-½	100	(100-½)
	5R ³	3.0°/39/733	ABCDE	127-½	100	(100-½)
ASR	32L ²		AB	340-½	314	(400-½)
			CDE	340-¾	314	(400-¾)
	23R ⁴		ABCDE	360-1	337	(400-1)
	5R		AB	440-1	413	(500-1)
			CD	440-1¼	413	(500-1¼)
			E	440-1½	413	(500-1½)
	14L		AB	440-1	414	(500-1)
			C	440-1¼	414	(500-1¼)
			DE	440-1½	414	(500-1½)
CIR	All Rwy's		AB	520-1	491	(500-1)
			C	540-1½	511	(600-1½)
			DE	580-2	551	(600-2)

¹When ALS inop, increase vis CAT ABCDE to ½ mile. ²When ALS inop, increase vis CAT ABCDE to 1 mile. ³CAUTION: PAR RPI and PAPI RRP are not coincident. ⁴When ALS inop, increase vis CAT ABCD to 1 mile, CAT E to 1¼ miles.

21 OCT 2010 to 18 NOV 2010

21 OCT 2010 to 18 NOV 2010

RADAR INSTRUMENT APPROACH MINIMUMS

COLUMBIA, SC

Amdt. 12, SEP 24, 2009 (FAA)

ELEV 236

COLUMBIA METROPOLITAN

RADAR- 133.4 285.6 124.15 338.2 ▽

ASR	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS
5			AB	700 /24	472 (500-½)	C	700 /40	472 (500-¾)
			D	700 /50	472 (500-1)			
			AB	680 /24	444 (500-½)			
			D	680 /50	444 (500-1)			
11			AB	720 /24	493 (500-½)	C	720 /40	493 (500-¾)
			D	720 /50	493 (500-1)			
29			AB	680 /50	467 (500-1)	C	680 /60	467 (500-1¼)
			D	680 -1½	467 (600-1½)			
23			AB	740 -1	504 (600-1)	C	840 -1¼	604 (700-1¼)
			D	880 -2	644 (700-2)			

LOST COMMUNICATIONS (ALL RWYS): As directed by ATC on initial contact.

COLUMBIA, SC

Amdt. 2A, JUL 29, 2010 (FAA)

ELEV 193

JIM HAMILTON L.B. OWENS

RADAR-1 133.4 ▽ ▲ NA

ASR	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS
31			AB	720 -1¼	535 (600-1¼)	C	720 -1½	535 (600-1½)
			D	720 -1¼	535 (600-1¼)			
CIRCLING			NA					

When local altimeter setting not received, use Columbia Metropolitan altimeter setting.

Visibility reduction by helicopters NA. Lost Communications (All RWys): As directed by ATC on initial contact.

FLORENCE, SC

AMDT 1, MAR 12, 2009 (FAA)

ELEV 146

FLORENCE RGNL

RADAR-1 118.6 341.7 135.25 316.15 ▽ ▲ NA.

ASR	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS
1	9*		ABC	480 -1	346 (400-1)	D	480 -1¼	346 (400-1¼)
			AB	680 -½	534 (600-½)	C	680 -1	534 (600-1)
			D	680 -1¼	534 (600-1¼)			
			AB	860 -1	717 (800-1)	C	860 -2	717 (800-2)
19**			D	860 -2¼	717 (800-2¼)			
			AB	560 -1	421 (500-1)	CD	560 -1¼	421 (500-1¼)
27			AB	640 -1	494 (500-1)	C	640 -1½	494 (500-1½)
			D	740 -2	594 (600-2)			
CIRCLING			AB	680 -1	534 (600-1)	C	680 -1½	534 (600-1½)
CIRCLING*			D	740 -2	594 (600-2)			
CIRCLING**			AB	860 -1	714 (800-1)	C	860 -2	714 (800-2)
			D	860 -2¼	714 (800-2¼)			

When approach control closed, ASR NA.

LOST COMMUNICATIONS: As directed by ATC on initial contact.

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS

RADAR INSTRUMENT APPROACH MINIMUMS

GREENVILLE, SC

Amdt. 13A, SEP 25, 2008 (FAA)

ELEV 1048

GREENVILLE DOWNTOWN

RADAR- 118.8 385.4 ▽ ▲

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS
ASR	1		ABC	1480 -1½	465 (500-1½)	D	1480 -1½	465 (500-1½)
CIRCLING			AB	1620 -1½	572 (600-1½)	C	1620 -1½	572 (600-1½)
			D	1740 -2½	692 (700-2½)			

Alternate minimums: Standard, except CAT D 800-2½, NA when control tower closed.

GREER, SC

Amdt. 6, SEP 1, 2005 (FAA)

ELEV 964

GREENVILLE-SPARTANBURG INTL - ROGER MILLIKEN

RADAR- 118.8 385.4 ▽ ▲

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS
ASR	22		ABC	1340 /40	376 (400-¾)	D	1340 /50	376 (400-1)
	4		ABC	1420 /40	471 (500-¾)	D	1420 /50	471 (500-1)
CIRCLING			AB	1420 -1½	456 (500-1½)	C	1420 -1½	456 (500-1½)
			D	1520 -2	556 (600-2)			

When APP CON closed, ASR NA.

For inoperative MALSR, increase S-22 Category D visibility to RVR 6000.

If local altimeter setting not received use Greenville Downtown altimeter setting and increase all MDAs 40 feet.

MC ENTIRE JNGB (MMT), SC (Eastover) (Orig 10266 USAF)

ELEV 254

RADAR^{1,2} 125.4 285.4 143.55 379.5 281.525x 316.4x 269.05x ▽

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATH/ HAA	CEIL-VIS
PAR ³	32	2.5°/52/1169	ABCDE	443/24	200	(200-½)
ASR ⁴	32		AB	640-½	397	(400-½)
			CD	640-¾	397	(400-¾)
			E	640-1	397	(400-1)
CIR	32		A	840-1	588	(600-1)
			B	860-1	608	(700-1)
			C	880-1½	628	(700-1½)
			D	880-2	628	(700-2)
			E	1020-2¾	768	(800-2¾)

¹If no transmissions are received for one minute in the pattern or five/fifteen seconds on final approach, attempt contact with McEntire Tower on 253.5 or 132.4 and proceed VFR. If unable, proceed with TACAN/ILS/VOR/NDB approach, maintain 2000 until established on/over fix/NAVAID/approach procedure. ²Remain within 4 NM of MMT VORTAC to avoid R-6001; if unable, expect 10 minute delay for activation. ³When ALS inop, increase RVR to 40 and vis to ¾ mile. ⁴When ALS inop, increase CAT ABC RVR to 50 and vis to 1 mile, CAT D RVR to 60 and vis to 1½ miles, CAT E vis to 1½ miles.

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINIS

RADAR INSTRUMENT APPROACH MINIMUMS

NEW BERN, NC

Amdt. 2B, JUL 2, 2009 (FAA)

ELEV 19

COASTAL CAROLINA RGNL

RADAR- 119.35 374.9 ▽

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS
ASR	4		ABC	400 -1	383 (400-1)	D	400 -1½	383 (400-1½)
	22		AB	540 -1	525 (600-1)	C	540 -1½	525 (600-1½)
			D	540 -1¼	525 (600-1¼)			
CIRCLING			AB	560 -1	541 (600-1)	C	560 -1½	541 (600-1½)
			D	580 -2	561 (600-2)			

When Cherry Point MCAS control zone not in effect: 1. Procedure not authorized. 2. Alternate minimums not authorized.

NEW RIVER MCAS (KNCA), (MC CUTCHEON FLD) NC (Jacksonville) (08325 USN)

RADAR - (U) 118.575 132.2 279.575 289.4 308.4 346.325 350.225 353.875

ELEV 26

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATH/ HAA	CEIL-VIS
PAR	1 ¹	3.0°/45/877	ABCD	124-¾	100	(100-¾)
	5 ¹	3.0°/35/646	ABCD	126-¾	100	(100-¾)
	19	3.0°/41/750	ABCD	123-½	100	(100-½)
	23	3.0°/36/655	ABCD	125-½	100	(100-½)
PAR W/O GS	5 ²		ABCD	400-1	374	(400-1)
	1 ²		ABCD	400-1	376	(400-1)
	23		ABCD	420-1¼	395	(400-1¼)
	19		ABCD	420-1¼	397	(400-1¼)
ASR	5 ³		ABC	380-¾	354	(400-¾)
			D	380-1	354	(400-1)
	23		AB	440-1	415	(500-1)
			CD	440-1¼	415	(500-1¼)
	19		AB	440-1	417	(500-1)
			CD	440-1¼	417	(500-1¼)
CIR ASR	All Rwy		AB	500-1	474	(500-1)
			C	500-1½	474	(500-1½)
			D	580-2	554	(600-2)
CIR PAR W/O GS	All Rwy		AB	500-1¼	474	(500-1¼)
			C	500-1½	474	(500-1½)
			D	580-2	554	(600-2)

¹When ALS inop, increase vis to ½ mile. ²When ALS inop, increase vis CAT ABCD to 1¼ miles.³When ALS inop, increase vis CAT ABC to 1 mile, CAT D to 1¼ miles.


21 OCT 2010 to 18 NOV 2010

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS

RADAR INSTRUMENT APPROACH MINIMUMS

SIMMONS AAF (KFBG), NC (Fort Bragg) (1-Amdt 12, 2-Orig 10154 USA) ELEV 244

RADAR¹ - (E) 120.8 124.2 257.65 284.675 

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATH/ HAA	CEIL-VIS
RADAR-1						
PAR	27	3.0°/36/628	ABC	428-¾	357	(200-¾)
			D	NA	NA	NA
PAR	27		AB	640-1	412	(500-1)
W/O GS			C	640-1½	412	(500-1½)
			D	NA	NA	NA
CIR			AB	780-1	536	(600-1)
			C	780-1½	536	(600-1½)
			D	NA	NA	NA
RADAR-2						
PAR	9	3.9°/33/487	COPTER	491-½	250	(300-½)



¹Opr 1200-0400Z++ Mon-Fri, clsd hol. No-NOTAM preventive maint 1800-1900Z++ Fri.

WILMINGTON, NC

Amdt. 6C, JUN 3, 2010 (FAA)

ELEV 32

WILMINGTON INTL

RADAR- 118.25 135.75 284.65 317.425  

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA	CEIL-VIS		CAT	DA/ MDA-VIS	HAT/ HATH/ HAA	CEIL-VIS
ASR	17		ABC	460-1½	428	(500-1½)		D	460-1½	428	(500-1½)
	24		ABC	460-1½	433	(500-1½)		D	460-1½	433	(500-1½)
	6		ABC	480-1½	451	(500-1½)		D	480-1½	451	(500-1½)
	35		AB	540/40	509	(600-¾)		CD	540/50	509	(600-1)
CIRCLING			AB	540-1½	508	(600-1½)		C	540-1½	508	(600-1½)
			D	640-2	608	(700-2)					

When control tower closed procedure not authorized.

21 OCT 2010 to 18 NOV 2010

INSTRUMENT APPROACH PROCEDURE CHARTS
IFR TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned a SID or radar vector by ATC, an ODP may be flown without ATC clearance to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military take-off minima, refer to appropriate service directives.

NAME TAKE-OFF MINIMUMS

AIKEN, SC

AIKEN MUNI (AIK)

AMDT 1 08045 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1**, 200-1¼ or std. w/ min. climb of 220' per NM to 800, or alternatively, with std. takeoff min. and a normal 200' NM climb gradient, takeoff must occur no later than 1400' prior to departure end of runway.

DEPARTURE PROCEDURE: **Rwy 19**, climb heading 186° to 1100 before turning west.

NOTE: **Rwy 1**, terrain 74' from departure end of runway, 9' left of centerline, 496' MSL. Numerous trees beginning 169' from departure end of runway, 35' left of centerline, up to 100' AGL/659' MSL. Tree 6,023' from departure end of runway, 1,609' left of centerline, up to 100' AGL/649' MSL. Terrain beginning 75' from departure end of runway, 246' right of centerline up to 496' MSL. Numerous trees beginning 1322' from departure end of runway, 241' right of centerline, up to 100' AGL/609' MSL. **Rwy 7**, terrain beginning 51' from departure end of runway, 207' right of centerline up to 499' MSL. Numerous trees beginning 1230' from departure end of runway, 550' right of centerline, up to 100' AGL/609' MSL. Numerous trees beginning 1601' from departure end of runway, 731' left of centerline, up to 56' AGL/563' MSL.

NAME TAKE-OFF MINIMUMS

AIKEN MUNI (CON'T)

Rwy 19, numerous trees beginning at departure end of runway, 110' right of centerline, up to 100' AGL/629' MSL. Numerous trees beginning 6' from departure end of runway, 82' left of centerline, up to 100' AGL/639' MSL. **Rwy 25**, tree 1244' from departure end of runway, 766' right of centerline, 73' AGL/572' MSL. Tree 1506' from departure end of runway, 661' left of centerline, 72' AGL/561' MSL.

ALBEMARLE, NC

STANLY COUNTY (VUJ)

ORIG 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwys 4L, 22R**, NA-VFR runway. **Rwy 4R**, 300-1¼ or std. w/ min. climb of 297' per NM to 1000.

NOTE: **Rwy 4R**, trees 1.25 NM from DER, 2078' left of centerline, 100' AGL/859' MSL. Powerlines 1.1 NM from DER left to right of centerline 78' AGL/799' MSL. **Rwy 22L**, multiple trees beginning 196' from DER, 249' right of centerline, 100' AGL/709' MSL. Multiple trees beginning 847' from DER, 648' left of centerline, 100' AGL/699' MSL.

ALLEDDALE, SC

ALLEDDALE COUNTY (88J)
ORIG 10042 (FAA)

NOTE: **Rwy 17**, trees beginning 103' from DER, 52' left of centerline, up to 100' AGL/249' MSL. Vehicles on roadway beginning 286' from DER, 174' left of centerline, up to 15' AGL/174' MSL. Trees beginning 416' from DER, 355' right of centerline, up to 100' AGL/239' MSL. **Rwy 35**, trees beginning 10' from DER, 437' right of centerline, up to 100' AGL/269' MSL. Trees beginning 52' from DER, 503' left of centerline, up to 100' AGL/269' MSL. Trees beginning 780' from DER, 308' right of centerline, up to 100' AGL/279' MSL. Trees beginning 2557' from DER, 117' left of centerline, up to 100' AGL/289' MSL.

ANDERSON, SC

ANDERSON RGNL

NOTES: **Rwy 5**, multiple trees beginning 1282' from departure end of runway, 172' right of centerline, up to 93' AGL/879' MSL. Multiple trees beginning 85' from departure end of runway, 299' left of centerline, up to 89' AGL/878' MSL. **Rwy 17**, multiple trees beginning 1017' from departure end of runway, 25' right of centerline, up to 73' AGL/800' MSL. Multiple trees beginning 3' from departure end of runway, 47' left of centerline, up to 77' AGL/820' MSL. **Rwy 23**, transmission line tower and multiple trees beginning 1186' from departure end of runway, 552' left of centerline, up to 100' AGL/890' MSL. **Rwy 35**, multiple trees beginning 131' from departure end of runway, 279' right of centerline, up to 87' AGL/854' MSL. Ceilometer and tree beginning 257' from departure end of runway, 319' left of centerline, up to 73' AGL/820' MSL.

ANDREWS, NC

WESTERN CAROLINA RGNL (RHP)
AMDT 1A 10014 (FAA)

TAKE-OFF MINIMUMS: **Rwys 8, 26**, max. 180 KIAS 3400-2, max. 210 KIAS 3400-2½, max. 250 KIAS 3400-3. DEPARTURE PROCEDURE: **Rwys 8, 26**, procedure NA at night. Remain within 3 NM of Western Carolina RGNL while climbing in visual conditions to cross airport westbound at or above 4900. Then climb to 7000 via heading 251° and HARRIS (HRS) VORTAC R-356 to HRS VORTAC before proceeding on course.

ANDREWS, SC

ROBERT F. SWINNE

TAKE-OFF MINIMUMS: **Rwy 18**, 300-1. **Rwy 36**, 400-1. DEPARTURE PROCEDURE: **Rwys 18, 36**, climb runway heading to 500 before turning left. NOTE: **Rwy 18**, tower 165' from departure end of runway, 500' right of centerline, 118' AGL/145' MSL. Tree 630' from departure end of runway, 350' left of centerline, 87' AGL/114' MSL. Water tank 340' from departure end of runway, 1040' right of centerline, 129' AGL/156' MSL. **Rwy 36**, tree 60' from departure end of runway, 500' left of centerline, 67' AGL/85' MSL. Tree 10' from departure end of runway, 210' right of centerline, 55' AGL/73' MSL. Tree 10' from departure end of runway, 190' left of centerline, 32' AGL/50' MSL. Tree 720' from departure end of runway, 265' right of centerline, 34' AGL/61' MSL.

ASHEBORO, NC

ASHEBORO RGNL

TAKE-OFF MINIMUMS: **Rwy 3**, std. with a min. climb of 230' per NM to 1200. **Rwy 21**, 400-2 or std. with a min. climb of 340' per NM to 1200. DEPARTURE PROCEDURE: **Rwy 21**, climb runway heading to 1500 before turning southeast.

ASHEVILLE, NC

ASHEVILLE RGNL (AVL)

AMDT 8 09127 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16**, std. with a min. climb of 360' per NM to 6100, or 3300-3 for climb in visual conditions. **Rwy 34**, std. with a min. climb of 380' per NM to 5700, or 3300-3 for climb in visual conditions. DEPARTURE PROCEDURE: **Rwy 16**, climb direct BRA NDB, climb in holding pattern; hold South, right turns, 344° inbound to cross BRA NDB at or above 6100 before proceeding on course or for climb in visual conditions; cross Asheville Rgnl Airport southbound at or above 5300 MSL direct BRA NDB before proceeding on course. NOTE: climb in visual NA at night. **Rwy 34**, climb direct KEANS (IM) LOM, climb in holding pattern; hold North, left turns, 164° inbound to cross KEANS LOM at or above 7000 before proceeding on course or for climb in visual conditions; cross Asheville Rgnl Airport northbound at or above 5300 MSL direct KEANS LOM before proceeding on course. Note: climb in visual NA at night. NOTE: **Rwy 16**, tree 207' from DER, 529' left of centerline, 100' AGL/2148' MSL. **Rwy 34**, tree 543' from DER, 614' left of centerline, 100' AGL/2194' MSL. Tree 81' from DER, 41' left of centerline, 100' AGL/2172' MSL.

BARNWELL, SC

BARNWELL RGNL

TAKE-OFF MINIMUMS: **Rwy 17**, 300-2½ or std. w/min. climb of 241' per NM to 800. DEPARTURE PROCEDURE: **Rwy 17**, climb heading 165° to 1100 before turning. **Rwy 23**, climb heading 230° to 1100 before turning south. NOTE: **Rwy 5**, trees beginning 1959' from departure end of runway, 506' right of centerline, up to 100' AGL/329' MSL. Trees beginning 2458' from departure end of runway, 440' left of centerline, up to 100' AGL/359' MSL. **Rwy 17**, trees beginning 3225' from departure end of runway, 1092' right of centerline, up to 100' AGL/339' MSL. Tower 1.9 NM from departure end of runway, 3064' left of centerline, 366' AGL/544' MSL. **Rwy 23**, trees beginning 717' from departure end of runway, 237' right of centerline, up to 100' AGL/339' MSL. Trees beginning 971' from departure end of runway, 254' left of centerline, 100' AGL/349' MSL. Tree 2933' from departure end of runway, 559' left of centerline, 100' AGL/319' MSL. **Rwy 35**, trees beginning 948' from departure end of runway, 570' left of centerline, up to 100' AGL/349' MSL. Trees beginning 2805' from departure end of runway, 440' right of centerline, up to 100' AGL/359' MSL.

BEAUFORT, NC

MICHAEL J. SMITH FIELD

TAKE-OFF MINIMUMS: **Rwy 21**, 300-1 or std. with a min. climb of 500' per NM to 500.

NOTE: **Rwy 21**, tower 2831' from departure end of runway, 926' left of centerline, 162' AGL/172' MSL.

BEAUFORT, SC

BEAUFORT COUNTY

DEPARTURE PROCEDURE: **Rwy 7**, climb runway heading to 1700 before turning right. **Rwy 25**, climb runway heading to 300 before turning right.

NOTE: **Rwy 25**, tree 1100' from departure end of runway, 70' left of centerline, 40' AGL/50' MSL. Powerline 1000' from departure end of runway, on centerline, 30' AGL/35' MSL.

BENNETTSVILLE, SC

MARLBORO COUNTY JETPORT-H.E. AVENT FIELD (BBP)

AMDT 1 10210 (FAA)

NOTE: **Rwy 7**, pole 97' from DER, 379' right of centerline, 35' AGL/181' MSL. Trees beginning 1415' from DER, 412' left of centerline, up to 86' AGL/232' MSL. Trees beginning 2495' from DER, 256' right of centerline, up to 89' AGL/235' MSL. **Rwy 25**, tree 77' from DER, 148' right of centerline, 18' AGL/156' MSL. Trees beginning 2681' from DER, 382' right of centerline, up to 89' AGL/227' MSL.

BOGUE MCALF (KNJM),

SWANBORO, NC. 10070

TAKE-OFF OBSTACLES: **Rwy 5**, Trees 65' AGL/145' MSL, 1649' from DER. Trees, 125' AGL/145' MSL, 1252' from DER, 257' right of centerline. Trees, 125' AGL/145' MSL, 761' from DER, 262' left of centerline. **Rwy 23**, Trees, 70' AGL/90' MSL, 607' from DER, 54' left of centerline. Trees, 70' AGL/90' MSL, 540' from DER, 439' left of centerline. Trees, 125' AGL/145' MSL, 414' from DER, 572' left of centerline.

BURLINGTON, NC

BURLINGTON-ALAMANCE RGNL

DEPARTURE PROCEDURE: **Rwy 6**, climb runway heading to 1200 before turning left.

CAMDEN, SC

WOODWARD FIELD

TAKE-OFF MINIMUMS: **Rwy 6**, 200-1¼ or std. w/ min. climb of 362' per NM to 700.

NOTE: **Rwy 6**, light 184' from departure end of runway, 500' right of centerline, 27' AGL/316' MSL. Trees beginning 867' from departure end of runway, 113' right of centerline, up to 83' AGL/373' MSL. Trees beginning 736' from departure end of runway, 256' left of centerline, up to 100' AGL/419' MSL. Water tank 5407' from departure end of runway, 1852' left of centerline, 168' AGL/487' MSL. **Rwy 14**, trees and terrain beginning 90' from departure end of runway, 68' left of centerline, up to 100' AGL/409' MSL. Trees and terrain beginning 159' from departure end of runway, 148' right of centerline, up to 100' AGL/399' MSL. **Rwy 24**, trees beginning 137' from departure end of runway, 413' right of centerline, up to 100' AGL/338' MSL. Trees beginning 234' from departure end of runway, 389' left of centerline, up to 100' AGL/347' MSL. **Rwy 32**, trees beginning 3059' from departure end of runway, 455' right of centerline, up to 100' AGL/449' MSL. Tree 5066' from departure end of runway, 858' left of centerline, 100' AGL/429' MSL.

CHAPEL HILL, NC

HORACE WILLIAMS

DEPARTURE PROCEDURE: **Rwy 9**, climb heading 090° to 1400 before turning southwest. **Rwy 27**, climb heading 270° to 2400 before turning south.

NOTE: **Rwy 9**, trees 1084' from departure end of runway, 250' left of centerline, 82' AGL/551' MSL. Trees 785' from departure end of runway, 401' right of centerline, 56' AGL/520' MSL. **Rwy 27**, trees 200' from departure end of runway, 240' left of centerline, 43' AGL/542' MSL.

CHARLESTON, SC

CHARLESTON AFB/INTL (CHS)

AMDT 6 08045 (FAA)

NOTE: **Rwy 3**, multiple trees beginning 1157' from departure end of runway, 184' left of centerline, up to 77' AGL/111' MSL. Electrical equipment, microwave tower, and multiple trees beginning 102' from departure end of runway, 58' right of centerline, up to 104' AGL/136' MSL. **Rwy 15**, multiple trees beginning 213' from departure end of runway, 413' left of centerline, up to 93' AGL/107' MSL. Multiple trees beginning 200' from departure end of runway, 378' right of centerline, up to 42' AGL/66' MSL. **Rwy 21**, multiple trees beginning 42' from departure end of runway, 142' left of centerline, up to 92' AGL/111' MSL. Multiple trees beginning 1057' from departure end of runway, 199' right of centerline, up to 95' AGL/114' MSL. **Rwy 33**, trees 1797' from departure end of runway, 953' right of centerline, 84' AGL/128' MSL.

CHARLESTON EXECUTIVE (JZI)

AMDT 1 10238 (FAA)

DEPARTURE PROCEDURE: **Rwy 22**, climb heading 217° to 600 before turning right.

NOTE: **Rwy 4**, trees beginning 2473' from DER, 530' left of centerline, up to 75' AGL/85' MSL. **Rwy 22**, trees 502' from DER, 181' right of centerline, up to 100' AGL/109' MSL. Trees beginning 2183' from DER, left to right of centerline up to 100' AGL/109' MSL. **Rwy 27**, trees beginning 779' from DER, 84' left of centerline, up to 77' AGL/96' MSL. Pole 1011' from DER, 585' left of centerline, 42' AGL/61' MSL. Trees beginning 90' from DER, 273' right of centerline, up to 60' AGL/78' MSL.

CHARLOTTE, NC

CHARLOTTE/DOUGLAS INTL (CLT)

AMDT 5 09351 (FAA)

DEPARTURE PROCEDURE: **Rwy 5**, climb heading 055° to 1700 before turning right. **Rwy 36C**, climb heading 003° to 1400 before turning left. **Rwy 36L**, climb heading 003° to 1800 before turning left.

NOTE: **Rwy 5**, trees beginning 1031' from DER, 480' left of centerline, up to 127' AGL/856' MSL. **Rwy 18L**, tower and pole beginning 981' from DER, 708' left of centerline, up to 160' AGL/850' MSL. Trees beginning 1235' from DER, 707' right of centerline, up to 88' AGL/767' MSL. **Rwy 18C**, trees beginning 1688' from DER, 735' left of centerline, up to 108' AGL/787' MSL. Trees beginning 3251' from DER, 995' right of centerline, up to 102' AGL/841' MSL. **Rwy 23**, trees beginning 3899' from DER, 216' left of centerline, up to 99' AGL/818' MSL. Trees beginning 1491' from DER, 603' right of centerline, up to 74' AGL/823' MSL. **Rwy 36C**, trees beginning 1937' from DER, 725' left of centerline, up to 54' AGL/823' MSL. Trees beginning 1420' from DER, 309' right of centerline, up to 114' AGL/823' MSL. **Rwy 36R**, pole and trees beginning 713' from DER, 416' left of centerline, up to 94' AGL/853' MSL. Railroad, antenna, poles and trees beginning 471' from DER, 93' right of centerline, up to 93' AGL/852' MSL.

CHERAW, SC

CHERAW MUNI/LYNCH BELLINGER FIELD

NOTE: **Rwy 8**, multiple trees 465' from departure end of runway, 176' right of centerline, up to 100' AGL/279' MSL. Power lines 845' from departure end of runway, 501' left of centerline, 65' AGL/243' MSL. Multiple trees 2407' from departure end of runway, 11' left of centerline, up to 100' AGL/279' MSL. **Rwy 26**, trees 1089' from departure end of runway, 213' left of centerline, up to 100' AGL/389' MSL. Trees 1467' from departure end of runway, 63' right of centerline, up to 100' AGL/379' MSL. Power lines 2066' from departure end of runway, 186' right of centerline, 65' AGL/243' MSL.

CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

CHERRY POINT, NC 08073

Rwy 5R, 14L, 23R, 32L: Diverse departures not authorized.

TAKE-OFF OBSTACLES: **Rwy 5L**: Tree, 2765' from DER, 985' left of centerline, 91' MSL; Tree, 2414' from DER, 974' left of centerline, 87' MSL; Tree, 1470' from DER, 838' left of centerline, 85' MSL; Tree, 686' from DER, 678' left of centerline, 62' MSL; Tree, 1074' from DER, 497' left of centerline, 54' MSL; Tree, 780' from DER, 566' left of centerline, 50' MSL. **Rwy 14R**: Tree, 960' from DER, 727' left of centerline, 47' MSL.

CHESTER, SC

CHESTER CATAWBA RGNL (DCM)

ORIG 09015 (FAA)

NOTE: **Rwy 5**, trees beginning 383' from departure end of runway, 180' left of centerline up to 100' AGL/719' MSL. **Rwy 17**, trees beginning 54' from departure end of runway, 289' left of centerline up to 100' AGL/739' MSL. Trees beginning 164' from departure end of runway, 291' right of centerline up to 100' AGL/739' MSL. **Rwy 23**, trees beginning 163' from departure end of runway, 379' right of centerline up to 100' AGL/729' MSL. Trees beginning 3229' from departure end of runway, 726' left of centerline up to 100' AGL/779' MSL. **Rwy 35**, vehicle on road 761' from departure end of runway, 684' left of centerline up to 15' AGL/734' MSL. Trees beginning 321' from departure end of runway, 684' right of centerline up to 100' AGL/761' MSL.

CLEMSON, SC

OCONEE COUNTY RGNL

DEPARTURE PROCEDURE: **Rwy 25**, climb heading 252° to 1900 before turning right.

NOTE: **Rwy 7**, multiple trees beginning 25' from departure end of runway, 185' right of centerline, up to 100' AGL/923' MSL. Multiple trees beginning 35' from departure end of runway, 184' left of centerline, up to 100' AGL/912' MSL. **Rwy 25**, multiple trees and poles beginning 109' from departure end of runway, 2' right of centerline, up to 100' AGL/960' MSL. Multiple trees and poles beginning 123' from departure end of runway, 8' left of centerline, up to 100' AGL/973' MSL.

CLINTON, NC

CLINTON-SAMPSON COUNTY (CTZ)

AMDT 1 09267 (FAA)

NOTE: **Rwy 6**, trees beginning 9' from DER, 404' right of centerline, up to 65' AGL/215' MSL. Trees beginning 384' from DER, left and right of centerline, up to 125' AGL/245' MSL. **Rwy 24**, trees beginning 13' from DER, left and right of centerline, up to 100' AGL/219' MSL.

COLUMBIA, SC

COLUMBIA METROPOLITAN (CAE)

AMDT 1 09239 (FAA)

NOTE: **Rwy 5**, trees beginning 127' from DER, 128' left of centerline, up to 97' AGL/286' MSL. Trees beginning 420' from DER, 21' right of centerline, up to 74' AGL/283' MSL. **Rwy 11**, trees beginning 1896' from DER, 621' left of centerline, up to 48' AGL/277' MSL. Light pole and trees beginning 1043' from DER, 723' right of centerline, up to 69' AGL/268' MSL. **Rwy 23**, trees 3573' from DER, 1191' right of centerline, up to 60' AGL/329' MSL. **Rwy 29**, trees beginning 567' from DER, 535' left of centerline, up to 87' AGL/286' MSL. Trees beginning 1045' from DER, 526' right of centerline, up to 63' AGL/332' MSL.

21 OCT 2010 to 18 NOV 2010

21 OCT 2010 to 18 NOV 2010

COLUMBIA, SC (CON'T)

JIM HAMILTON L.B. OWENS (CUB)

AMDT 3 09323 (FAA)

TAKE-OFF MINIMUMS: **Rwy 31**, 600-2½ or std. with min. climb of 345' per NM to 1000.

DEPARTURE PROCEDURE: **Rwy 31**, climb heading 311° to 1500 before turning Northbound.

NOTE: **Rwy 13**, trains beginning at DER, 138' right of centerline, up to 23' AGL/202' MSL. Trees beginning 3' from DER, 88' right of centerline, up to 106' AGL/255' MSL. Trees beginning 131' from DER, 84' left of centerline, up to 97' AGL/256' MSL. **Rwy 31**, trains beginning at DER, 437' left of centerline, up to 23' AGL/222' MSL. Buildings beginning 632' from DER, 260' right of centerline, up to 372' AGL/681' MSL. Buildings beginning 1050' from DER, 20' left of centerline, up to 50' AGL/252' MSL. Tower 2.1 NM from DER, 3510' right of centerline, 422' AGL/747' MSL.

CONCORD, NC

CONCORD RGNL (JQF)

AMDT 3 10070 (FAA)

TAKE-OFF MINIMUMS: **Rwy 20**, 300-1¼ or std. w/min. climb of 204' per NM to 1000, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1200' prior to DER.

DEPARTURE PROCEDURE: **Rwy 2**, climb heading 016° to 2200 before proceeding on course. **Rwy 20**, climbing right turn heading 290° to intercept CLT VOR/DME R-039 outbound to 2100 before proceeding on course.

NOTE: **Rwy 2**, poles and trees beginning 2624' from DER, 688' left of centerline, up to 45' AGL/784' MSL. Trees beginning 2107' from DER, 787' right of centerline, up to 24' AGL/783' MSL. **Rwy 20**, street lights beginning 3047' from DER, 196' right of centerline, up to 105' AGL/744' MSL. Trees 1.3 NM from DER, 1544' right of centerline, up to 100' AGL/849' MSL.

CONWAY, SC

CONWAY-HORRY COUNTY

NOTE: **Rwy 4**, multiple trees 2307' from departure end of runway, 193' left of centerline, up to 100' AGL/134' MSL.

Rwy 22, multiple trees 963' from departure end of runway, 97' right of centerline, up to 40' AGL/75' MSL.

CURRITUCK, NC

CURRITUCK COUNTY RGNL (ONX)

AMDT 1 09127 (FAA)

DEPARTURE PROCEDURE: **Rwy 5**, climb heading 045° to 1300 before proceeding on course. **Rwy 23**, climb heading 240° to 4000 before turning southbound.

NOTE: **Rwy 5**, trees beginning 41' from DER, 166' left of centerline, up to 100' AGL/122' MSL. Tree 4058' from DER, 388' right of centerline, 100' AGL/124' MSL. **Rwy 23**, trees beginning 60' from DER, 384' left of centerline, up to 100' AGL/115' MSL. Trees beginning 201' from DER, 427' right of centerline, up to 100' AGL/121' MSL.

DARLINGTON, SC

DARLINGTON COUNTY JETPORT

DEPARTURE PROCEDURE: **Rwy 34**, climb heading 343° to 900' before proceeding on course.

NOTE: **Rwy 5**, multiple trees beginning 11' from departure end of runway, 241' left of centerline, up to 97' AGL/246' MSL. Multiple trees beginning 72' from departure end of runway, 29' right of centerline, up to 97' AGL/236' MSL. **Rwy 10**, multiple trees beginning 20' from departure end of runway, 358' left of centerline, up to 74' AGL/243' MSL. Multiple trees beginning 1526' from departure end of runway, 46' right of centerline, up to 100' AGL/289' MSL. **Rwy 16**, multiple trees beginning 70' from departure end of runway, 258' right of centerline, up to 113' AGL/292' MSL. Tree 1295' from departure end of runway, 135' left of centerline, 70' AGL/256' MSL. **Rwy 23**, antenna 18' from departure end of runway, 263' left of centerline, 9' AGL/194' MSL. Trees beginning 241' from departure end of runway, 394' left of centerline, up to 70' AGL/249' MSL. Tree 732' from departure end of runway, 427' right of centerline, 33' AGL/212' MSL. **Rwy 28**, multiple trees beginning 405' from departure end of runway, 214' left of centerline, up to 100' AGL/299' MSL. Tree 2840' from departure end of runway, 46' right of centerline, 100' AGL/309' MSL. **Rwy 34**, tree 2008' from departure end of runway, 273' right of centerline, 87' AGL/277' MSL.

DILLON, SC

DILLON COUNTY

DEPARTURE PROCEDURE: **Rwys 7,25**, climb to 2200 on runway heading before turning south.

EDENTON, NC

NORTHEASTERN RGNL (EDE)

ORIG 09211 (FAA)

NOTE: **Rwy 1**, trees beginning 23' from DER, left and right of centerline, up to 100' AGL/117' MSL. **Rwy 19**, poles beginning 1038' from DER, 567' left of centerline, 37' AGL/47' MSL. Trees beginning 1258' from DER, left and right of centerline, up to 100' AGL/114' MSL.

ELIZABETH CITY, NC

ELIZABETH CITY COAST GUARD AIR STATION/RGNL

NOTE: When tethered balloon located approximately 2 NM southeast of airport is flying: **Rwys 1,10**, climb runway heading to 4000 before turning south. **Rwy 19**, climb to 4000 via ECR R-160 before turning east. **Rwy 28**, climb runway heading to 4000 before turning east.

ELIZABETHTOWN, NC

CURTIS L BROWN JR FIELD (EYF)

ORIG 09183 (FAA)

DEPARTURE PROCEDURE: **Rwy 15**, climb heading 152° to 2100 before turning left. **Rwy 33**, climb heading 332° to 1100 before proceeding on course.

NOTE: **Rwy 15**, trees beginning 368' from DER, left and right of centerline, up to 100' AGL/214' MSL. **Rwy 33**, vehicle on road 177' from DER, 543' right of centerline, 15' AGL/144' MSL. Trees beginning 344' from DER, left and right of centerline, up to 100' AGL/229' MSL.

**ELKIN, NC****ELKIN MUNI**

TAKE-OFF MINIMUMS: **Rwy 7**, 300-1 or std. with a min. climb of 270' per NM to 1300. **Rwys 25**, 300-1 or std. with a min. climb of 290' per NM to 1300.

DEPARTURE PROCEDURE: **Rwys 7, 25**, climb to 3900 before turning north.

ERWIN, NC**HARNETT RGNL JETPORT**

NOTE: **Rwy 5**, multiple trees beginning 1529' from departure end of runway 16' left of centerline, up to 96' AGL/297' MSL. Multiple trees beginning 2775' from departure end of runway, 111' right of centerline, up to 76' AGL/282' MSL. Multiple poles beginning 303' from departure end of runway, 445' left of centerline, up to 17' AGL/239' MSL. Pole beginning 671' from departure end of runway, 610' right of centerline, up to 38' AGL/239' MSL.

NOTE: **Rwy 23**, trees beginning 94' from departure end of runway, 206' right of centerline, up to 64' AGL/252' MSL. Trees beginning 5' from departure end of runway, 296' right of centerline, up to 59' AGL/247' MSL.

FAYETTEVILLE, NC**FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)
ORIG 08213 (FAA)**

NOTE: **Rwy 4**, trees beginning 154' from departure end of runway, 117' right of centerline, up to 79' AGL/189' MSL. Trees beginning 344' from departure end of runway, 240' left of centerline, up to 63' AGL/173' MSL. **Rwy 10**, trees beginning 182' from departure end of runway, 295' right of centerline, up to 43' AGL/223' MSL. Trees beginning 451' from departure end of runway, 383' left of centerline, up to 62' AGL/242' MSL. **Rwy 22**, vehicle on road 98' from departure end of runway, left and right of centerline, up to 15' AGL/186' MSL. Trees beginning 1059' from departure end of runway, 551' right of centerline, up to 94' AGL/264' MSL.

FLORENCE, SC**FLORENCE RGNL (FLO)****AMDT 5 09071 (FAA)**

DEPARTURE PROCEDURE: **Rwy 1**, climb on heading 021° to 1200 prior to turning left.

NOTE: **Rwy 1**, trees beginning 1929' from DER, 29' left of centerline up to 81' AGL/224' MSL. Trees beginning 1786' from DER, 239' right of centerline up to 89' AGL/232' MSL. Poles beginning 1628' from DER, 160' left and right of centerline up to 45' AGL/188' MSL. Antenna 341' from DER, 487' left of centerline up to 47' AGL/190' MSL. Floodlight 3262' from DER, 806' left of centerline up to 103' AGL/246' MSL. Floodlight 1498' from DER, 313' left of centerline up to 39' AGL/182' MSL. **Rwy 9**, trees beginning 3016' from DER, 635' left of centerline up to 91' AGL/212' MSL. Trees beginning 121' from DER, 14' right of centerline up to 97' AGL/218' MSL. Bushes beginning 32' from DER, 289' right of centerline up to 17' AGL/138' MSL. **Rwy 19**, trees beginning 174' from DER, 273' left of centerline up to 54' AGL/166' MSL. Trees beginning 811' from DER, 23' right of centerline up to 69' AGL/181' MSL. Bushes beginning 20' from DER, 338' right of centerline up to 12' AGL/125' MSL. **Rwy 27**, trees beginning 102' from DER, 389' left of centerline up to 30' AGL/159' MSL.

FRANKLIN, NC**MACON COUNTY (1A5)****ORIG 09071 (FAA)**

TAKE-OFF MINIMUMS: **Rwys 7, 25**, Procedure NA at night. 5700-3, for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 7, 25**, for climb in visual conditions remain within 3 NM of Macon County airport to cross airport south bound at or above 7600 via ODF R-349 to ODF VORTAC.

NOTE: **Rwy 7**, trees 599' from DER, 124' left of centerline, up to 38' AGL/2037' MSL. Vehicle on road 964' from DER, 720' left of centerline, 15' AGL/2054' MSL. Trees 1666' from DER, 620' right of centerline, up to 100' AGL/2179' MSL. Trees beginning 3090' from DER, 1270' left of and to centerline, up to 100' AGL/3139' MSL. Trees beginning 5665' from DER, 337' right of and to centerline, up to 100' AGL/2699' MSL.

Rwy 25, vehicle on road 63' from DER, 318' left of centerline, 15' AGL/2054' MSL. Terrain 1000' from DER, on centerline, 2061' MSL. Trees beginning 1737' from DER, 848' left of and to centerline, up to 100' AGL/3519' MSL. Trees beginning 2460' from DER, 440' right of and to centerline, up to 100' AGL/3059' MSL.

GASTONIA, NC**GASTONIA MUNI (AKH)****AMDT 5 10042 (FAA)**

DEPARTURE PROCEDURE: **Rwy 3**, climb heading 049° to 2600 before proceeding West or North. **Rwy 21**, climb heading 214° to 1500 before proceeding North.

NOTE: **Rwy 3**, trees beginning 1200' from DER, 433' left of centerline, up to 80' AGL/859' MSL. Trees beginning 162' from DER, 371' right of centerline, up to 136' AGL/885' MSL. **Rwy 21**, antenna and trees beginning 269' from DER, 210' left of centerline, up to 101' AGL/880' MSL. Trees beginning 252' from DER, 264' right of centerline, up to 113' AGL/882' MSL.

GEORGETOWN, SC**GEORGETOWN COUNTY**

DEPARTURE PROCEDURE: **Rwys 5, 23, 29, 34**, climb runway heading to 500 before turning.

GOLDSBORO, NC**GOLDSBORO-WAYNE MUNI**

NOTE: **Rwy 5**, tree 445' from departure end of runway, 498' right of centerline, 23' AGL/158' MSL. **Rwy 23**, tree 158' from departure end of runway, 311' right of centerline, 11' AGL/143' MSL. Tree 1788' from departure end of runway, 281' right of centerline, 52' AGL/184' MSL. Tree 2770' from departure end of runway, 354' right of centerline, 111' AGL/239' MSL.



10266

GREENSBORO, NC

PIEDMONT TRIAD INTL (GSO)

AMDT 1 09295 (FAA)

NOTE: **Rwy 5L**, trees beginning 1328' from DER, 524' left of centerline, up to 88' AGL/912' MSL. **Rwy 5R**, terrain and trees beginning 3' from DER, 499' right of centerline, up to 102' AGL/981' MSL. Trees beginning 2751' from DER, 1191' left of centerline, 57' AGL/966' MSL. **Rwy 14**, pole and railroad signal beginning 937' from DER, 604' right of centerline, up to 51' AGL/940' MSL. **Rwy 23L**, trees beginning 834' from DER, 719' left of centerline, up to 65' AGL/934' MSL. **Rwy 23R**, trees beginning 1195' from DER, 191' left of centerline, up to 100' AGL/970' MSL. Utility pole 170' from DER, 540' left of centerline, 33' AGL/936' MSL. Trees beginning 1715' from DER, 358' right of centerline, up to 100' AGL/967' MSL. **Rwy 32**, trees beginning 1' from DER, 289' right of centerline up to 90' AGL/1019' MSL.

GREENVILLE, NC

PITT-GREENVILLE

TAKE-OFF MINIMUMS: **Rwy 15**, 300-1 1/2 or std. with a min. climb of 220' per NM to 300. **Rwy 20**, 200-1 or std. with a min. climb of 425' per NM to 300.

NOTE: **Rwy 2**, tree 1633' from departure end of runway, 741' right of centerline, -115' MSL. Tree 3303' from departure end of runway, 575' left of centerline, -123' MSL. **Rwy 8**, tree 181' from departure end of runway, 517' left of centerline, -1108' MSL. Tree 3434' from departure end of runway, 724' right of centerline, -134' MSL. **Rwy 15**, tower 1.2 NM from departure end of runway, 1808' right of centerline, 191' AGL/231' MSL. Rod 1744' from departure end of runway, 966' left of centerline, -186' MSL. **Rwy 20**, tree 2834' from departure end of runway, 986' left of centerline, -171' MSL. Antenna 4857' from departure end of runway, 1798' right of centerline, -1165' MSL. **Rwy 26**, tree 1026' from departure end of runway, 546' left of centerline, -108' MSL. Tree 261' from departure end of runway, 512' right of centerline, -81' MSL. **Rwy 33**, tree 199' from departure end of runway, 372' left of centerline, -92' MSL. Tree 489' from departure end of runway, 473' right of centerline, -91' MSL.

GREENVILLE, SC

DONALDSON CENTER

TAKE-OFF MINIMUMS: **Rwy 5**, 300-1 1/4 or std. w/min. climb of 220' per NM to 1300, or alternatively, w/ standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1800' prior to departure end of runway.

NOTE: **Rwy 5**, antenna on obstruction light tower 1.7 NM from departure end of runway, 2183' left of centerline, 250' AGL/1167' MSL. Multiple trees beginning 1103' from departure end of runway, 151' right of centerline, up to 50' AGL/985' MSL. **Rwy 23**, stack 2761' from departure end of runway, 1152' left of centerline, 100' AGL/1026' MSL. Multiple trees beginning 2339' from departure end of runway, 231' right of centerline, up to 90' AGL/1001' MSL. Multiple trees beginning 2419' from departure end of runway, 52' left of centerline, up to 95' AGL/1020' MSL.

GREENVILLE, SC (CON'T)

GREENVILLE DOWNTOWN

TAKE-OFF MINIMUMS: **Rwy 10**, 400-2 1/4 or std. with a min. climb of 250' per NM to 1600.

DEPARTURE PROCEDURE: **Rwy 1**, climb heading 006° to 2400 before turning left. **Rwy 28**, climb heading 276° to 1900 before turning right.

NOTE: **Rwy 1**, numerous trees 200' from departure end of runway, 400' right of centerline, 20' AGL/1087' MSL. Numerous trees 400' from departure end of runway, 575' left of centerline, 80' AGL/1123' MSL. Pole 860' from departure end of runway, 500' right of centerline, 30' AGL/1106' MSL. Numerous trees 1100' from departure end of runway, 750' right of centerline, 63' AGL/1179' MSL. Tree 1487' from departure end of runway, 657' right of centerline, 51' AGL/1157' MSL. **Rwy 10**, tree 31' from departure end of runway, 190' right of centerline, 36' AGL/1031' MSL. Tree 43' from departure end of runway, 370' right of centerline, 59' AGL/1050' MSL. Tree 429' from departure end of runway, 150' left of centerline, 45' AGL/1030' MSL. Tree 691' from departure end of runway, 390' left of centerline, 60' AGL/1051' MSL. Antenna 5221' from departure end of runway, 843' left of centerline, 152' AGL/1173' MSL. Building on hill 1.86 NM from departure end of runway, 500' right of centerline, 186' AGL/1374' MSL. **Rwy 19**, pole 432' from departure end of runway, 500' left of centerline, 25' AGL/1003' MSL. Tree 2905' from departure end of runway, 900' right of centerline, 66' AGL/1070' MSL. Tower 9.55 NM from departure end of runway, 4.2 NM left of centerline, 798' AGL/1849' MSL. **Rwy 28**, tree 364' from departure end of runway, 248' left of centerline, 46' AGL/1014' MSL. Tree 1042' from departure end of runway, 233' right of centerline, 88' AGL/1040' MSL. Stack 2846' from departure end of runway, 482' left of centerline, 69' AGL/1064' MSL. Building 1.93 NM from departure end of runway, 2045' right of centerline, 314' AGL/1315' MSL.

GREENWOOD, SC

GREENWOOD COUNTY (GRD)

ORIG 08017 (FAA)

NOTE: **Rwy 9**, tree 1859' from departure end of runway, 990' left of centerline, 100' AGL/719' MSL.

GREER, SC

GREENVILLE-SPARTANBURG INTL-ROGER MILLIKEN (GSP)

AMDT 1 10042 (FAA)

DEPARTURE PROCEDURE: **Rwy 4**, climb heading 038° to 2500 before turning left.

NOTE: **Rwy 4**, tree 1422' from DER, 832' right of centerline, 100' AGL/1001' MSL. Tree 1454' from DER, 146' left of centerline, 78' AGL/1023' MSL.

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HARTSVILLE, SC

HARTSVILLE REGIONAL (HSV)
ORIG 08045 (FAA)

NOTE: **Rwy 3**, trees beginning 2478' from departure end of runway, 684' right of centerline, up to 100' AGL/489' MSL. Trees beginning 405' from departure end of runway, 363' left of centerline, up to 100' AGL/479' MSL. Road and vehicle 59' from departure end of runway, 418' right of centerline, up to 15' AGL/374' MSL. **Rwy 21**, trees beginning 128' from departure end of runway, 255' right of centerline, up to 100' AGL/439' MSL. Trees beginning 216' from departure end of runway, 325' left of centerline, up to 100' AGL/429' MSL. Road and vehicle 11' from departure end of runway, 335' right of centerline, up to 15' AGL/364' MSL.

HATTERAS, NC

BILLY MITCHELL (HSE)
ORIG 09267 (FAA)

NOTE: **Rwy 7**, trees beginning 388' from DER, left of centerline, up to 100' AGL/169' MSL. **Rwy 25**, trees 512' from DER, 103' right of centerline, 100' AGL/110' MSL. Boat mast 2107' from DER, 664' left of centerline, 100' AGL/100' MSL.

HICKORY, NC

HICKORY RGNL

TAKE-OFF MINIMUMS: **Rwys 19, 24**, std. with a min. climb of 300' per NM to 3000.

DEPARTURE PROCEDURE: Use HICKORY ONE DEPARTURE.

NOTE: **Rwy 1**, tree 50' from departure end of runway, 382' right of centerline, 79' AGL/1228' MSL. **Rwy 19**, tree 1253' from departure end of runway, 661' right of centerline, 92' AGL/1211' MSL. **Rwy 24**, tree 315' from departure end of runway, 584' left of centerline, 99' AGL/1218' MSL.

HILTON HEAD ISLAND, SC

HILTON HEAD

NOTE: **Rwy 3**, numerous trees 328' from departure end of runway, 428' left of departure end of runway, 86' AGL/106' MSL. Numerous trees 319' from departure end of runway, 390' right of departure end of runway, 83' AGL/97' MSL. **Rwy 21**, numerous trees 39' from departure end of runway, 357' right of departure end of runway, 94' AGL/111' MSL. Numerous trees 368' from departure end of runway, 332' left of departure end of runway, 73' AGL/87' MSL. Numerous trees 1421' from departure end of runway, 221' right of departure end of runway, 74' AGL/91' MSL. Numerous trees 1207' from departure end of runway, 329' left of departure end of runway, 85' AGL/99' MSL.

JACKSONVILLE, NC

ALBERT J. ELLIS

DEPARTURE PROCEDURE: **Rwy 23**, climb on runway heading to 500 before turning right.

JEFFERSON, NC

ASSE COUNTY

TAKE-OFF MINIMUMS: **Rwys 10, 28**, 1900-3.

DEPARTURE PROCEDURE: **Rwys 10, 28**, climb visually over the airport to 5000 before proceeding on course.

KENANSVILLE, NC

DUPLIN COUNTY (DPL)
ORIG 09015 (FAA)

NOTE: **Rwy 5**, trees beginning 30' from departure end of runway, 156' right of centerline, up to 100' AGL/238' MSL. Trees beginning 1915' from departure end of runway, 126' left of centerline, up to 100' AGL/231' MSL. Vehicles on road 641' from departure end of runway, left and right of centerline, up to 17' AGL/156' MSL. **Rwy 23**, trees beginning 12' from departure end of runway, 329' left of centerline, up to 100' AGL/218' MSL. Trees beginning 16' from departure end of runway, 59' right of centerline, up to 100' AGL/225' MSL.

KINGSTREE, SC

WILLIAMSBURG RGNL

TAKE-OFF MINIMUMS: **Rwy 32**, 200-1 or std. w/min. climb of 353' per NM to 300.

DEPARTURE PROCEDURE: **Rwy 14**, climb heading 132° to 800 before turning north.

NOTE: **Rwy 32**, multiple trees beginning 165' from departure end of runway, 360' right of centerline, up to 71' AGL/175' MSL.

KINSTON, NC

KINSTON RGNL JETPORT AT STALLINGS
FIELD

DEPARTURE PROCEDURE: **Rwy 5**, climb heading 050° to 1800 before turning east.

NOTE: **Rwy 5**, multiple poles 1521' from departure end of runway, 237' right of centerline, up to 64' AGL/137' MSL. Pole 1625' from departure end of runway, 53' left of centerline, 52' AGL/128' MSL. Multiple trees 1873' from departure end of runway, 110' right of centerline, up to 73' AGL/173' MSL. **Rwy 23**, multiple trees 770' from departure end of runway, 598' left of centerline, up to 87' AGL/186' MSL. Multiple trees 1092' from departure end of runway, 109' right of centerline, up to 49' AGL/148' MSL.

LAKE CITY, SC

LAKE CITY MUNI CJ EVANS FIELD

TAKE-OFF MINIMUMS: **Rwy 1**, 500-2½ or std. w/min. climb of 375' per NM to 700. **Rwy 19**, 300-1 or std. w/min. climb of 404' per NM to 400.

NOTE: **Rwy 1**, tree 1474' from departure end of runway, 189' right of centerline, 62' AGL/143' MSL. Multiple towers beginning 1.6 NM from departure end of runway, 1285' left of centerline, up to 411' AGL/491' MSL. **Rwy 19**, tree 1428' from departure end of runway, 225' right of centerline, 53' AGL/134' MSL. Tank 4906' from departure end of runway, 1349' left of centerline, 180' AGL/254' MSL.

LANCASTER, SC

LANCASTER COUNTY- MCWHIRTER FIELD
(LKR)

AMDT 1 09351 (FAA)

NOTE: **Rwy 6**, trees beginning 176' from DER, 394' left of centerline, up to 26' AGL/526' MSL. Vehicles on roadway 322' from DER, 401' right of centerline, up to 15' AGL/517' MSL. Trees beginning 4704' from DER, 1425' left of centerline, up to 80' AGL/630' MSL.

Rwy 24, trees beginning 73' from DER, 492' left of centerline, up to 27' AGL/467' MSL.

LEXINGTON, NC

DAVIDSON COUNTY

TAKE-OFF MINIMUMS: **Rwy 6**, 300-1 or std. with a min. climb of 290' per NM to 900.

LIBERTY, NC

CAUSEY

TAKE-OFF MINIMUMS: **Rwys 2, 20**, 300-1.
DEPARTURE PROCEDURE: **Rwy 20**, for departures 245° CW 020°, climbing left turn direct LIB VORTAC, then proceed outbound via LIB R-256 to 3000 before proceeding on course.

LINCOLNTON, NC

LINCOLNTON-LINCOLN COUNTY RGNL

DEPARTURE PROCEDURE: **Rwy 5**, climb runway heading to 3200 before turning right. **Rwy 23**, climb runway heading to 3200 before turning left. Departure procedure not required for aircraft with a min. climb of 300' per NM to 3200.

LORIS, SC

TWIN CITY (5J9)

ORIG 10126 (FAA)

NOTE: **Rwy 8**, vehicles on roadway 18' from DER, 127' right of centerline, up to 15' AGL/119' MSL. Trees beginning 159' from DER, 208' right of centerline, up to 100' AGL/204' MSL. Trees beginning 169' from DER, 314' left of centerline, up to 100' AGL/204' MSL.

Rwy 26, vehicles on roadway 9' from DER, 113' left of centerline, up to 15' AGL/119' MSL. Trees beginning 20' from DER, 182' left of centerline, up to 100' AGL/204' MSL. Hangar 81' from DER, 267' right of centerline, 50' AGL/154' MSL. Aircraft 87' from DER, 171' right of centerline, up to 30' AGL/134' MSL. Building 665' from DER, 139' left of centerline, 30' AGL/134' MSL. Building 1359' from DER, 226' right of centerline, 30' AGL/134' MSL.

LUMBERTON, NC

LUMBERTON MUNI

TAKE-OFF MINIMUMS: **Rwy 31**, 400-1.
DEPARTURE PROCEDURE: **Rwy 31**, climb 270° heading to 600 before turning.

MANNING, SC

SANTEE COOPER RGNL (MNI)

ORIG 09043 (FAA)

NOTE: **Rwy 2**, trees beginning at departure end of runway, 480' right of centerline, up to 100' AGL/229' MSL. Trees beginning 16' from departure end of runway, 221' left of centerline, up to 100' AGL/209' MSL. Vehicle on road 85' from departure end of runway, 468' right of centerline, 15' AGL/117' MSL. **Rwy 20**, trees beginning 125' from departure end of runway, 289' right of centerline, up to 100' AGL/179' MSL. Trees beginning 86' from departure end of runway, 136' left of centerline, up to 100' AGL/189' MSL. Vehicle on road 250' from departure end of runway, on centerline, 15' AGL/110' MSL.

MANTEO, NC

DARE COUNTY RGNL

TAKE-OFF MINIMUMS: **Rwys 5, 17, 35**, 300-1.

MARION, SC

MARION COUNTY

TAKE-OFF MINIMUMS: **Rwy 4**, 400-1 or std. with a min. climb of 330' per NM to 600.
DEPARTURE PROCEDURE: **Rwy 4**, climb runway heading to 1000 before turning.

MAXTON, NC

LAURINBURG-MAXTON

NOTE: **Rwy 5**, road 606' from departure end of runway, on centerline, 15' AGL/224' MSL. Trees 1002' from departure end of runway, 474' left of centerline, 67' AGL/267' MSL. **Rwy 13**, aircraft 762' from departure end of runway, 762' left of centerline, 58' AGL/266' MSL. **Rwy 23**, tree 1011' from departure end of runway, 512' right of centerline, 30' AGL/246' MSL. **Rwy 31**, trees beginning 1014' from departure end of runway, 58' left of centerline, up to 54' AGL/271' MSL.

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MC ENTIRE JNGB (MMT)

EASTOVER, SC. 08353

..... **Rwy5***

..... **Rwy23****

..... **Rwy32*****

* Standard with CG of 310'/NM to 2700.

** Standard with CG of 210'/NM to 1100.

*** Standard with CG of 230'/NM to 2700.

DEPARTURE PROCEDURE: Rwy 5. For climb in visual conditions: Ceiling 1400', Visibility 2.0 SM, remain within 4.8 NM of KMMT airport, cross KMMT airport at or above 1500' MSL before proceeding on course. Max airspeed 180 KIAS. **Rwy 23.** For climb in visual conditions: Ceiling 1300', Visibility 1.5 SM, remain within 4.2 NM of KMMT airport, cross KMMT airport at or above 1400' MSL before proceeding on course. Max airspeed 180 KIAS. **Rwy 32.** Departing eastbound, complete turn within 4 NM to avoid R-6001, if unable, advise Control Tower prior to taxi. For climb in visual conditions: Ceiling 1600', Visibility 2.5 SM, remain within 5.5 NM of KMMT airport, cross KMMT airport at or above 1700' MSL before proceeding on course. Max airspeed 250 KIAS.

TAKE-OFF OBSTACLES: Rwy 5: Helicopter parked 134' from DER, 323' left of centerline, NDB 1573' from DER, 591' left of centerline. Multiple trees left of centerline beginning 2319' out to 2915' from DER, 338' to 875' left of centerline, 70' AGL/309' MSL up to 319' MSL. Multiple trees right of centerline beginning 2190' out to 3838' from DER, 257' to 767' right of centerline, from 70' to 110' AGL/309' MSL up to 379' MSL. **Rwy 14:** Multiple trees beginning from 2328' from DER, 942' right of centerline, 110' AGL/329' MSL. Multiple trees left of centerline beginning 2400' out to 3781' from DER, 682' to 1199' left of centerline, from 90' to 91' AGL/289' to 319' MSL. Aircraft 120' from DER, 400' right of centerline, 39' AGL/255' MSL. Pylon 2665' from DER 1713' right of centerline, 109' AGL/320' MSL. Pylon 3279' from DER 1554' left of centerline, 109' AGL/322' MSL. **Rwy 23:** Multiple trees right of centerline beginning from 2444' out to 4131' from DER, 45' to 1297' right of centerline, from 90' to 120' AGL/319' to 359' MSL. Aircraft 1921' from DER, 402' right of centerline, 39' AGL/288' MSL. Tower 2885' from DER 98' right of centerline, 120' AGL/370' MSL. Building 907' from DER 157' right of centerline 12' AGL/259' MSL. Wind Sensors 490' from DER, 531' left of centerline, 33' AGL/274' MSL. Power lines 2990' from DER, 1057' right of centerline, 35' AGL/294' MSL. Building 1356' from DER, 154' right of centerline, 18' AGL/266' MSL. **Rwy 32:** Multiple trees right of centerline beginning 3240' out to 3290' from DER, 499' to 998' right of centerline, up to 130' AGL/349' MSL. Multiple trees left of centerline beginning 684' out to 4871' from DER, 1' to 1651' left of centerline up to 130' AGL/329' to 379' MSL. Localizer array 1116' from DER, 2' left of centerline, up to 5' AGL/284' MSL. Windsock 103' from DER, 417' left of centerline, up to 23' AGL/293' MSL.

MOCKSVILLE, NC

TWIN LAKES

TAKE-OFF MINIMUMS: Rwy 27, 300-1

NOTE: Rwy 9, numerous trees beginning 35' from departure end of runway, 27' right of centerline, up to 100' AGL/939' MSL. Numerous trees beginning 200' from departure end of runway, 164' left of centerline, up to 100' AGL/919' MSL. **Rwy 27,** numerous trees beginning 200' from departure end of runway, 78' right of centerline, up to 100' AGL/929' MSL. Numerous trees beginning 616' from departure end of runway, 77' left of centerline, up to 100' AGL/909' MSL.

MONCKSCORNER, SC

BERKELEY COUNTY (MKS)

ORIG 09015 (FAA)

TAKE-OFF MINIMUMS: Rwy 5, 300-1¼ or std. w/ min. climb of 215' per NM to 400.

NOTE: Rwy 5, trees beginning 17' from departure end of runway, 102' right of centerline, up to 99' AGL/158' MSL. Terrain 30' from departure end of runway, 478' left of centerline, 79' MSL. Trees beginning 964' from departure end of runway, 66' left of centerline, up to 108' AGL/167' MSL. Poles beginning 467' from departure end of runway, 480' left of centerline, up to 24' AGL/103' MSL. Tower 1.4 NM from departure end of runway, 530' left of centerline, up to 228' AGL/292' MSL. **Rwy 23,** trees beginning abeam departure end of runway, 361' right of centerline, up to 100' AGL/199' MSL. Transmission poles beginning 1320' from departure end of runway, 249' right of centerline, up to 63' AGL/142' MSL. Terrain 21' from departure end of runway, 125' left of centerline, 76' MSL. Trees beginning 1141' from departure end of runway, 47' left of centerline, up to 84' AGL/163' MSL. Transmission pole 2503' from departure end of runway, 115' left of centerline, 62' AGL/141' MSL.

MONROE, NC

CHARLOTTE-MONROE EXECUTIVE (EQY)

AMDT 1 10042 (FAA)

NOTES: Rwy 5, trees beginning 150' from DER, 202' left of centerline, up to 100' AGL/799' MSL. Vehicles on road and trees beginning 199' from DER, 259' right of centerline, up to 100' AGL/789' MSL.

MOORESVILLE, NC

LAKE NORMAN AIRPARK

TAKE-OFF MINIMUMS: Rwy 14, std. w/ a min. climb of 294' per NM to 2900 or 1300-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: Rwy 14, for climb in visual conditions: cross Lake Norman Airport at or above 2000' MSL before proceeding on course. **Rwy 32,** climb heading 324° to 1300 before proceeding on course.

NOTE: Rwy 14, terrain and multiple trees beginning 197' from departure end of runway, 308' left of centerline, up to 200' AGL/1099' MSL. Building and multiple trees beginning 158' from departure end of runway, 258' right of centerline, up to 100' AGL/979' MSL. **Rwy 32,** tree 559' from departure end of runway, on centerline, 42' AGL/851' MSL. Multiple trees beginning 47' from departure end of runway, 34' left of centerline, up to 101' AGL/890' MSL. Multiple trees beginning 526' from departure end of runway, 31' right of centerline, up to 97' AGL/886' MSL.

MORGANTON, NC

FOOTHILLS RGNL

DEPARTURE PROCEDURE: **Rwy 3**, climbing left turn direct FIQ NDB, continue climbing in holding pattern (southwest, left turns, 031° inbound) to 5000 before proceeding on course. **Rwy 21**, climb direct FIQ NDB, continue climbing in holding pattern (southwest, left turns, 031° inbound) to 5000 before proceeding on course.

MOUNT AIRY, NC

MOUNT AIRY/SURRY COUNTY

DEPARTURE PROCEDURE: **Rwy 18**, climb direct AZW NDB, climb in AZW NDB holding pattern (N, right turns, 179° inbound) to 5000 before proceeding on course. **Rwy 36**, climbing left turn direct AZW NDB, climb in AZW NDB holding pattern (N, right turns, 179° inbound) to 5000 before proceeding on course.

NOTE: **Rwy 36**, 70' AGL powerline 500' right of departure end of runway.

MOUNT OLIVE, NC

MOUNT OLIVE MUNI

TAKE-OFF MINIMUMS: **Rwy 23**, 300-1 or std. with a min. climb of 300' per NM to 500.

MOUNT PLEASANT, SC

MT PLEASANT RGNL-FAISON FIELD (LRO)

AMDT 1 10126 (FAA)

DEPARTURE PROCEDURE: **Rwy 17**, climb heading 174° to 1400 before proceeding on course. **Rwy 35**, climb heading 354° to 1900 before turning right.

NOTE: **Rwy 17**, AAO 3.8 NM from DER, 4834' right of centerline, 200' AGL/210' MSL. **Rwy 35**, tree 1900' from DER, 921' left of centerline, 84' AGL/96' MSL. Tree 3043' from DER, 401' right of centerline, 83' AGL/95' MSL.

MYRTLE BEACH, SC

MYRTLE BEACH INTL (MYR)

AMDT 2 10042 (FAA)

NOTE: **Rwy 18**, trees beginning 1770' from DER, 664' left of centerline, up to 60' AGL/88' MSL.

NEW BERN, NC

COASTAL CAROLINA RGNL (EWN)

AMDT 3B 09183 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4**, 300-1.

DEPARTURE PROCEDURE: **Rwys 4, 32**, climb runway heading to 900' before turning north.

NOTES: **Rwy 22**, 75' AGL trees 958' from departure end of runway, 705' right of centerline. **Rwy 14**, 79' AGL trees 1297' from departure end of runway, 531' right of centerline. **Rwy 32**, 91' AGL trees 743' from departure end of runway, 626' left of centerline.

NEWBERRY, SC

NEWBERRY COUNTY (EOE)

AMDT 1 08325 (FAA)

NOTE: **Rwy 4**, multiple trees beginning 1895' from departure end of runway, left and right of centerline, up to 100' AGL/659' MSL. **Rwy 22**, multiple trees beginning 500' from departure end of runway, left and right of centerline, up to 100' AGL/629' MSL.

NORTH AF AUX (KXNO)

NORTH, SC. 08157

CAUTION: **Rwy 5/23** diverse departure procedures not authorized at night. **Rwy 5/23** diverse departure not for civil use.

TAKEOFF OBSTACLES: **Rwy 5**, Terrain 1' to 40' from DER 41' to 309' left of centerline, 328' MSL. Possible vehicle on road extending across extended runway centerline 473' from DER 336' left to 711' right of centerline, 15' AGL/349' MSL. Possible C5 on taxiway 12' inward of DER 484' left of centerline, 65' AGL/387' MSL. Possible C5 on taxiway 31' inward of DER 235' left of centerline, 66' AGL/387' MSL. Building 917' from DER 641' right of centerline, 30' AGL/364' MSL. Trees 1215' to 1419' from DER 376' to 570' right of centerline, 92' AGL/398' MSL. Pylon 3627' from DER 1029' left of centerline, 79' AGL/366' MSL. **Rwy 6**, Terrain 1' to 237' from DER 85' to 563' left of centerline, 329' MSL; Possible C5 on taxiway 627' from DER 597' right of centerline, 65' AGL/387' MSL; Possible C5 on taxiway 833' from DER 374' right of centerline, 65' AGL/388' MSL. Trees 2412' to 2812' from DER 749' to 1197' left of centerline, 103' AGL/407' MSL; Trees 1722' to 2044' from DER 844' to 899' left of centerline, 72' AGL/381' MSL; Pylon 2363' from DER 1572' left of centerline, 79' AGL/403' MSL. **Rwy 24**, Pylon 1729' from DER, 1456' right of centerline, 79' AGL/325' MSL.

NORTH MYRTLE BEACH, SC

GRAND STAND (CRE)

ORIG 10014 (FAA)

NOTE: **Rwy 5**, vehicles on roadway 8' from DER, 455' right of centerline, up to 16' AGL/41' MSL. Trees beginning 1782' from DER, 6' right of centerline, up to 74' AGL/103' MSL. **Rwy 23**, trees beginning 43' from DER, 399' right of centerline, up to 33' AGL/58' MSL. Sign 60' from DER, 205' left of centerline, 11' AGL/36' MSL. Trees beginning 1393' from DER, 277' left of centerline, up to 62' AGL/88' MSL.

NORTH WILKESBORO, NC

WILKES COUNTY

TAKE-OFF MINIMUMS: **Rwy 1**, 400-1 or std. with a min. climb of 300' per NM to 1700.

OAK ISLAND, NC

CAPE FEAR RGNL JETPORT/HOWIE

FRANKLIN FLD (SUT)

ORIG 09183 (FAA)

NOTE: **Rwy 5**, trees beginning 323' from DER, 255' left of centerline, up to 80' AGL/99' MSL. Trees beginning 528' from DER, 456' right of centerline, up to 100' AGL/119' MSL. **Rwy 23**, trees beginning 233' from DER, 521' left of centerline, up to 64' AGL/73' MSL. Trees beginning 70' from DER, 319' right of centerline, up to 93' AGL/102' MSL. Boat masts beginning 589' from DER, left and right of centerline, up to 50' AGL/50' MSL.

ORANGEBURG, SC

ORANGEBURG MUNI (OGB)

AMDT 3A 10126 (FAA)

DEPARTURE PROCEDURE: **Rwy 5**, climb heading 049° to 1000 before proceeding on course. **Rwy 35**, climb heading 354° to 900 before proceeding on course.
NOTE: **Rwy 5**, trees beginning 190' from DER, 384' left of centerline, up to 100' AGL/289' MSL. Railroad 768' from DER, 407' right of centerline, 23' AGL/220' MSL. **Rwy 17**, trees beginning 2885' from DER, 1082' left of centerline, up to 100' AGL/282' MSL. Trees beginning 1132' from DER, 798' right of centerline, up to 100' AGL/257' MSL. **Rwy 23**, trees beginning 32' from DER, 45' left of centerline, up to 100' AGL/251' MSL. Power pole 1260' from DER, 127' left of centerline, 50' AGL/202' MSL. Trees beginning 870' from DER, 419' right of centerline, up to 100' AGL/259' MSL. **Rwy 35**, trees beginning 764' from DER, 703' left of centerline, up to 100' AGL/272' MSL. Trees beginning 1567' from DER, 473' right of centerline, up to 100' AGL/282' MSL. Terrain 13' from DER, 34' right of centerline, 174' MSL.

OXFORD, NC

HENDERSON-OXFORD (HNZ)

ORIG 08269 (FAA)

TAKE-OFF MINIMUMS: **Rwy 24**, std. w/ min. climb of 245' per NM to 1900 or 700-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 24**, for climb in visual conditions: cross Henderson-Oxford airport at or above 1100 MSL before proceeding on course.

NOTE: **Rwy 6**, trees beginning 7' from departure end of runway, 367' left of centerline, up to 100' AGL/629' MSL.

Rwy 24, trees beginning 804' from departure end of runway, 393' left of centerline, up to 100' AGL/629' MSL.

PAGELAND, SC

PAGELAND (PYG)

ORIG 09071 (FAA)

NOTE: **Rwy 5**, trees beginning 365' from DER, 353' right of centerline, up to 100' AGL/689' MSL. Powerlines 593' from DER, 93' right to 109' left of centerline, 100' AGL/679' MSL. Vehicle on road 12' from DER, 377' right of centerline, 15' AGL/582' MSL. Trees beginning 19' from DER, 455' left of centerline, up to 100' AGL/689' MSL. Vehicle on road 612' from DER, 329' left to right of centerline, 15' AGL/594' MSL. **Rwy 23**, trees beginning 29' from DER, 243' right of centerline, up to 100' AGL/679' MSL. Trees beginning 294' from DER, 290' left of centerline, up to 100' AGL/669' MSL. Vehicle on road 34' from DER, 413' left of centerline, 15' AGL/574' MSL. Powerline, 1863' from DER, 987' left of centerline, 79' AGL/609' MSL.

PELION, SC

LEXINGTON COUNTY AT PELION (6J0)

ORIG 09155 (FAA)

NOTE: **Rwy 18**, trees beginning 1705' from DER, 1' right of centerline, up to 71' AGL/521' MSL. Trees beginning 429' from DER, 298' left of centerline, up to 34' AGL/484' MSL. Power poles 430' from DER, 298' left of centerline, 33' AGL/484' MSL. **Rwy 36**, trees beginning 2016' from DER, 301' right of centerline, up to 59' AGL/511' MSL.

PICKENS, SC

PICKENS COUNTY (LQK)

ORIG 09351 (FAA)

DEPARTURE PROCEDURE: **Rwy 5**, climb heading 048° to 2300 then climbing right turn via heading 120° to 3400 to intercept V20-35. **Rwy 23**, climb heading 228° to 2200 then climbing left turn via heading 120° to 3400 to intercept V20-35.

NOTE: **Rwy 5**, tree 30' from DER, 299' left of centerline, 9' AGL/1022' MSL. Vehicles on roadway, 424' from DER, left and right of centerline, up to 15' AGL/1028' MSL. Trees beginning 1531' from DER, 691' left of centerline, up to 107' AGL/1038' MSL. Tree 3019' from DER, 450' right of centerline, 120' AGL/1095' MSL. **Rwy 23**, tree 906' from DER, 269' left of centerline, 91' AGL/990' MSL. Trees beginning 1015' from DER, 466' right of centerline, up to 106' AGL/1022' MSL.

PINEHURST/SOUTHERN PINES, NC

MOORE COUNTY (SOP)

ORIG 09183 (FAA)

NOTE: **Rwy 5**, terrain 448' from DER, 343' right of centerline, 443' MSL. Trees beginning 663' from DER, 137' right of centerline, up to 100' AGL/475' MSL. Terrain 141' from DER, 329' left of centerline, 435' MSL. Trees beginning 176' from DER, 220' left of centerline, up to 100' AGL/529' MSL. **Rwy 23**, pipe 228' from DER, 431' right of centerline, 13' AGL/463' MSL. Antenna 657' from DER, 415' right of centerline, 32' AGL/482' MSL. Trees beginning 701' from DER, 422' right of centerline, up to 100' AGL/579' MSL. Trees beginning 364' from DER, 353' left of centerline, up to 100' AGL/569' MSL.

PLYMOUTH, NC

PLYMOUTH MUNI

TAKE-OFF MINIMUMS: **Rwy 3**, 400-1 or std. with a min. climb of 210' per NM to 500.

POPE AFB (KPOB)

FAYETTEVILLE, NC 08213

Rwys 5, 23: expect radar vectors from Fayetteville Approach. **Rwy 23**, standard with minimum climb of 220'/NM to 1000', or 1100-3 for climb in visual conditions to 1200' MSL within 5.49 NM of KPOB airport, then proceed on course, max airspeed of 250 KIAS.

TAKE-OFF OBSTACLES: **Rwy 5**, multiple trees 1352' to 1545' from DER, 779' right of centerline, up to 34' AGL/242' MSL; Multiple trees 1889' to 3436' from DER, 412' right of centerline, up to 99' AGL/297' MSL; Multiple trees 2004' to 2746' from DER, 997' left of centerline, up to 100' AGL/294' MSL; Multiple trees 2887' to 3743' from DER, 511' left of centerline, up to 119' AGL/311' MSL; Powerline Tower 4181' from DER, 1464' right of centerline, 115' AGL/315' MSL. C-130 18' from DER 263' left of centerline, 35' AGL/215' MSL. **Rwy 23**, fence 1201' from DER, 71' left of centerline, 247' MSL; Terrain 1901' from DER, 1010' right of centerline, 269' MSL; Multiple trees 3002' to 3349' from DER, 506' right of centerline, up to 70' AGL/328' MSL; Forestry Tower 2.2 NM from DER, 3399' right of centerline, 140' AGL/559' MSL; Tower 3.0 NM from DER, 1.4 NM right of centerline, 220' AGL/746' MSL; Tree 1.0 NM from DER, 502' left of centerline, 61' AGL/375' MSL. C-130 55' from DER 302' right of centerline, 35' AGL/238' MSL; C-130 944' from DER 286' left of centerline, 35' AGL/215' MSL.

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RAEFORD, NC

P K AIRPARK

TAKE-OFF MINIMUMS: **Rwy 22**, 200-1.

RALEIGH-DURHAM, NC

RALEIGH-DURHAM INTL

TAKE-OFF MINIMUMS: **Rwy 32**, 300-1.

DEPARTURE PROCEDURE: **Rwy 14**, climb heading 142° to 1400 before turning right. **Rwy 23L**, climb heading 232° to 1900 before turning left. **Rwy 23R**, climb heading 232° to 1800 before turning left.

NOTE: **Rwy 5L**, tree 2011' from departure end of runway, 949' right of centerline, 80' AGL/469' MSL. Tree 3802' from departure end of runway, 1238' left of centerline, 77' AGL/506' MSL. Tank 4046' from departure end of runway, 1578' right of centerline, 138' AGL/547' MSL. **Rwy 5R**, tree 1437' from departure end of runway, 803' right of centerline, 80' AGL/469' MSL. **Rwy 14**, multiple trees beginning 2021' from departure end of runway, 510' left of centerline, up to 122' AGL/571' MSL.

Multiple trees beginning 2468' from departure end of runway, 1' right of centerline, up to 110' AGL/559' MSL.

Rwy 23L, tree 1496' from departure end of runway, 797' left of centerline, 58' AGL/447' MSL. Light pole 1458' from departure end of runway, 878' right of centerline, 93' AGL/452' MSL. **Rwy 32**, multiple poles 1170' from departure end of runway, 634' left of centerline, up to 47' AGL/486' MSL. Antenna 1243' from departure end of runway, 754' right of centerline, 34' AGL/473' MSL. Control tower and antenna 2207' from departure end of runway, 911' right of centerline, 221' AGL/660' MSL.

REIDSVILLE, NC

ROCKINGHAM COUNTY NC SHILOH (SIF)

AMDT 2 09295 (FAA)

TAKE-OFF MINIMUMS: **Rwy 31**, 400-2 or std. w/a min. climb of 535' per NM to 1200.

NOTE: **Rwy 13**, trees beginning 40' from DER, 63' left of centerline, up to 100' AGL/768' MSL. Powerpole 1192' from DER, 430' right of centerline, 30' AGL/702' MSL. Tree beginning 1539' from DER, 30' right of centerline, up to 100' AGL/755' MSL. **Rwy 31**, power pole 2054' from DER, 243' right of centerline, 30' AGL/763' MSL. Vehicle on road 31' from DER, 485' left of centerline, 15' AGL/714' MSL. Trees beginning 1164' from DER, 107' left of centerline, up to 100' AGL/1019' MSL. Trees beginning 152' from DER, 317' left of centerline, up to 100' AGL/979' MSL. Rising terrain beginning 123' from DER, 27' left of centerline, up to 939' MSL. Rising terrain beginning 64' from DER, 27' right of centerline, up to 939' MSL.

ROCK HILL, SC

ROCK HILL/YORK COUNTY/BRYANT FIELD (UZA)

AMT 1 10042 (FAA)

NOTE: **Rwy 2**, trees beginning 99' from DER, 174' right of centerline, up to 102' AGL/747' MSL.

ROCKINGHAM, NC

RICHMOND COUNTY (RCZ)

AMDT 2 10154 (FAA)

TAKE-OFF MINIMUMS: **Rwys 4, 22**, NA-Environmental.

NOTE: **Rwy 14**, multiple trees beginning 676' from DER, 20' right of centerline, up to 100' AGL/441' MSL. Multiple trees beginning 5' from DER, 75' left of centerline, up to 100' AGL/458' MSL. Train beginning 6' from DER, 355' left of centerline, 23' AGL/382' MSL. **Rwy 32**, tree 1152' from DER, 443' left of centerline, 100' AGL/399' MSL. Tree 181' from DER, 428' right of centerline, 100' AGL/429' MSL. Vehicles on roadway 34' from DER, 498' right of centerline, up to 15' AGL/364' MSL.

ROCKY MOUNT, NC

ROCKY MOUNT-WILSON RGNL

DEPARTURE PROCEDURE: **Rwy 22**, climb via heading 222° to 1200 before proceeding on course.

NOTE: **Rwy 4**, tree 1459' from departure end of runway, 791' left of centerline, 207' MSL. Tree 2454' from departure end of runway, 752' right of centerline, 231' MSL. **Rwy 22**, tree 1199' from departure end of runway, 665' right of centerline, 204' MSL. Tree 1215' from departure end of runway, 676' left of centerline, 224' MSL. Tree 1464' from departure end of runway, 616' left of centerline, 222' MSL.

ROXBORO, NC

PERSON COUNTY

NOTE: **Rwy 6**, trees 1600' from departure end of runway, 200' right of centerline, 100' AGL/729' MSL. **Rwy 24**, trees 562' from departure end of runway, 577' left of centerline, 100' AGL/699' MSL.

RUTHERFORDTON, NC

RUTHERFORD COUNTY-MARCHMAN FIELD (FQD)

AMDT 2 07354 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1**, std. w/ min. climb of 434' per NM to 5400, or 2800-3 for climb in visual conditions. **Rwy 19**, std. w/ min. climb of 255' per NM to 3600, or 2800-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 1**, climb heading 009° to 5400 before proceeding on course, or for climb in visual conditions cross Rutherford County/Marchman Field at or above 3700 before proceeding on course. **Rwy 19**, climb heading 189° to 3600 before proceeding on course, or for climb in visual conditions cross Rutherford County/Marchman Field at or above 3700 before proceeding on course.

NOTE: **Rwy 1**, trees abeam departure end of runway, 310' left of centerline, 100' AGL/1159' MSL. Vehicles on roadway 421' from departure end of runway, on centerline 15' AGL/1094' MSL. Trees beginning 480' from departure end of runway, on centerline, up to 100' AGL/1159' MSL. Powerlines left and right of centerline, beginning 581' from departure end of runway, up to 78' AGL/1167' MSL. **Rwy 19**, trees abeam departure end of runway, 239' left of centerline, 100' AGL/1129' MSL. Trees 255' from departure end of runway, 500' right of centerline, 100' AGL/1129' MSL. Trees 1937' from departure end of runway, on centerline, 100' AGL/1119' MSL.

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ST. GEORGE

ST. GEORGE (6J2)

ORIG 08101 (FAA)

NOTE: **Rwy 5**, tree 3021' from departure end of runway, 186' left of centerline, 100' AGL/175' MSL. **Rwy 23**, tree 1401' from departure end of runway, 259' right of centerline, 100' AGL/178' MSL.

SALISBURY, NC

ROWAN COUNTY

TAKE-OFF MINIMUMS: **Rwy 2**, 300-1.DEPARTURE PROCEDURE: **Rwy 20**, climb on heading 160° to 1200 before turning west.**SALUDA, SC**

SALUDA COUNTY (6J4)

ORIG 09351 (FAA)

TAKE-OFF MINIMUMS: **Rwy 19**, 300-2 or std. w/ min. climb of 207' per NM to 900, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1400' prior to DER.

NOTE: **Rwy 1**, numerous trees beginning abeam DER, 40' left of centerline, up to 66' AGL/635' MSL. Numerous trees beginning abeam DER, 35' right of centerline, up to 100' AGL/649' MSL. **Rwy 19**, numerous trees beginning abeam DER, 20' left of centerline, up to 43' AGL/552' MSL. Numerous trees beginning abeam DER, 30' right of centerline, up to 100' AGL/639' MSL.

SANFORD, NC

RALEIGH EXEC JETPORT AT SANFORD-LEE COUNTY

DEPARTURE PROCEDURE: **Rwy 3**, climb runway heading to 1400 before turning right. **Rwy 21**, climb runway heading to 1400 before turning left.

SEYMOUR JOHNSON AFB (KGSB)

GOLDSBORO, NC. 10154

TAKE-OFF MINIMUMS: **Rwy 26**, 200-1½ or Standard with minimum climb of 230 ft/NM to 500' or with standard minimums and a standard 200 ft/NM climb gradient, takeoff must occur no later than 1800' prior to DER.

TAKE-OFF OBSTACLES: **Rwy 26**, Trees 110' AGL/251' MSL, 1.2 NM from DER, 1155' left of centerline.

SHAW AFB (KSSC)

SUMTER, SC. 07214

TAKE-OFF OBSTACLES: **Rwy 4R**, Terrain 500' left of centerline at the threshold, 235' MSL. **Rwy 22L**, Radio Tower 5137' from DER, 1701' left of centerline, 140' AGL/370' MSL; Glideslope Antenna 563' from DER, 500' right of centerline, 40' AGL/293' MSL. **Rwy 22R**, Terrain 253' from DER, 568' right of centerline, 244' MSL.

SHELBY, NC

SHELBY-CLEVELAND COUNTY RGNL (EHO)

ORIG 09015 (FAA)

NOTE: **Rwy 5**, trees beginning 74' from departure end of runway, 394' left of centerline, up to 99' AGL/899' MSL. Trees beginning 2018' from departure end of runway, 804' right of centerline, up to 100' AGL/919' MSL.

Rwy 23, trees beginning 186' from departure end of runway, 148' left of centerline, up to 93' AGL/903' MSL.

SILER CITY, NC

SILER CITY MUNI

DEPARTURE PROCEDURE: **Rwy 4**, climb runway heading to 1000 before turning right.

SIMMONS AAF (KFBG)

FORT BRAGG, NC. AMDT 2, 10154

Rwy 27, 400-2½*

*Or standard with minimum climb of 230 ft/NM to 700.

DEPARTURE PROCEDURE: **Rwy 27**, climb heading 273° to 700 before proceeding on course.

TAKE-OFF OBSTACLES: **Rwy 9**, Terrain 233' MSL, beginning 80' from DER, 27' right of centerline. **Rwy 27**, Terrain 283' MSL, beginning 105' from DER, left and right of centerline. Antenna, 292' AGL/584' MSL, 1.9 NM from DER, 3586' right of centerline.

SMITHFIELD, NC

JOHNSTON COUNTY (JNX)

AMDT 3 10238 (FAA)

TAKE-OFF MINIMUMS: **Rwy 3**, 300-1½ or std w/ min climb of 215' per NM to 500, or alternatively, with standard take-off minimums and a normal 200' per NM climb gradient, take-off must occur no later than 1400' prior to DER. **Rwy 21**, 500-2¼ or std w/ min climb of 265' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 3**, climb heading 032° to 1500 before turning west. **Rwy 21**, climb heading 212° to 1000 before turning northwest.

NOTE: **Rwy 3**, trees beginning 35' from DER, 486' right of centerline, up to 64' AGL/251' MSL. Poles beginning 2022' from DER, 228' right of centerline, up to 44' AGL/232' MSL. Trees beginning 4352' from DER, 543' left of centerline, up to 100' AGL/349' MSL. Poles beginning 2114' from DER, 69' left of centerline, up to 41' AGL/234' MSL. **Rwy 21**, trees beginning 1' from DER, 492' right of centerline, up to 20' AGL/167' MSL. Trees beginning 60' from DER, 478' left of centerline, up to 46' AGL/192' MSL. Tower 2.3 NM from DER, 2883' right of centerline, 380' AGL/614' MSL.

SPARTANBURG, SC

SPARTANBURG DOWNTOWN MEMORIAL (SPA)

ORIG 09295 (FAA)

NOTE: **Rwy 5**, trees beginning 230' from DER, left and right of centerline, up to 100' AGL/871' MSL. **Rwy 23**, trees beginning 580' from DER, left and right of centerline, up to 100' AGL/930' MSL.

STATESVILLE, NC

STATESVILLE RGNL

TAKE-OFF MINIMUMS: **Rwy 28**, 300-1½ or std. with a min. climb of 220' per NM to 1300.

NOTE: **Rwy 28**, powerline tower 8880' from departure end of runway, 858' right of centerline, 180' AGL/1199' MSL.



SUMMERVILLE, SC

SUMMERVILLE (DYB)

AMDT 1 10210 (FAA)

DEPARTURE PROCEDURE: **Rwy 6**, climb heading 056° to 600 before turning left. **Rwy 24**, climb heading 236° to 800 before turning right.

NOTE: **Rwy 6**, vehicles on road beginning 7' from DER, left and right of centerline, up to 15' AGL/64' MSL. Trees beginning 556' from DER, left and right of centerline, up to 100' AGL/154' MSL. **Rwy 24**, tree 58' from DER, 459' left of centerline, 84' AGL/114' MSL.

SUMTER, SC

SUMTER (SMS)

AMDT 1 09295 (FAA)

TAKE-OFF MINIMUMS: **Rwys 14, 32**, NA-VFR only. **Rwy 32**, std. w/ a min. climb of 221' per NM to 800 or 900-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 23**, for climb in visual conditions: cross Sumter airport at or above 900 MSL before proceeding on course.

NOTE: **Rwy 23**, trees beginning 2876' from DER, 559' left of centerline, up to 72' AGL/251' MSL. Trees beginning 117' from DER, 210' right of centerline, up to 86' AGL/265' MSL.

TARBORO, NC

TARBORO-EDGEcombe

DEPARTURE PROCEDURE: **Rwy 27**, climb runway heading to 500 before turning.

UNION, SC

UNION COUNTY, TROY SHELTON FIELD

NOTE: **Rwy 5**, tree 1315' from departure end of runway, 400' left of centerline, 80' AGL/675' MSL. Tree 1340' from departure end of runway, 280' right of centerline, 51' AGL/678' MSL. **Rwy 23**, tree 38' from departure end of runway, 115' right of centerline, 10' AGL/583' MSL. Tree 58' from departure end of runway, 80' left of centerline, 28' AGL/584' MSL. Tree 1890' from departure end of runway, 400' right of centerline, 85' AGL/657' MSL. Tree 2005' from departure end of runway, 425' left of centerline, 95' AGL/667' MSL.

WADESBORO, NC

ANSON COUNTY-JEFF CLOUD FIELD

TAKE-OFF MINIMUMS: **Rwy 16**, 300-2 or std. with a min. climb of 220' per NM to 700, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, take-off must occur no later than 1800' prior to departure end of runway.

DEPARTURE PROCEDURE: **Rwy 16**, climb via heading 162° to 900 before proceeding on course.

NOTE: **Rwy 16**, terrain 31' from departure end of runway, 345' right of centerline, 0' AGL/319' MSL. Terrain 139' from departure end of runway, 120' right of centerline, 0' AGL/309' MSL. Terrain 305' from departure end of runway, 475' right of centerline, 0' AGL/309' MSL. Tree 1263' from departure end of runway, 425' left of centerline, 58' AGL/353' MSL. Tree 1381' from departure end of runway, 427' left of centerline, 61' AGL/356' MSL. Tree 1329' from departure end of runway, 262' right of centerline, 45' AGL/340' MSL. Tree 1337' from departure end of runway, 300' right of centerline, 48' AGL/343' MSL. Tree 1651' from departure end of runway, 282' left of centerline, 60' AGL/355' MSL. Tree 1875' from departure end of runway, 142' left of centerline, 59' AGL/354' MSL. Tree 1897' from departure end of runway, 71' left of centerline, 53' AGL/347' MSL. Tree 2658' from departure end of runway, 55' left of centerline, 68' AGL/363' MSL. Tree 2734' from departure end of runway, 78' right of centerline, 77' AGL/372' MSL. Tree 3031' from departure end of runway, 156' right of centerline, 80' AGL/375' MSL. Tree 3080' from departure end of runway, 383' right of centerline, 82' AGL/377' MSL. Tree 1.62 NM from departure end of runway, 2363' left of centerline, 100' AGL/569' MSL. **Rwy 34**, tree 3117' from departure end of runway, 1064' right of centerline, 87' AGL/384' MSL. Building 2841' from departure end of runway, 657' right of centerline, 80' AGL/377' MSL. Silo 2712' from departure end of runway, 604' right of centerline, 88' AGL/385' MSL. Tree 2531' from departure end of runway, 276' right of centerline, 92' AGL/389' MSL. Tree 2890' from departure end of runway, 740' left of centerline, 100' AGL/439' MSL. Tree 2267' from departure end of runway, 381' right of centerline, 84' AGL/381' MSL. Tree 1947' from departure end of runway, 785' right of centerline, 82' AGL/379' MSL. Tree 1830' from departure end of runway, 699' right of centerline, 71' AGL/368' MSL. Tree 1997' from departure end of runway, 17' right of centerline, 84' AGL/381' MSL. Tree 1972' from departure end of runway, 57' right of centerline, 82' AGL/379' MSL. Tree 1879' from departure end of runway, 51' left of centerline, 85' AGL/382' MSL. Railroad and train 1618' from departure end of runway, on centerline, 23' AGL/354' MSL. Tree 1651' from departure end of runway, 133' left of centerline, 75' AGL/372' MSL. Tree 1540' from departure end of runway, 230' left of centerline, 71' AGL/369' MSL. Tree 1503' from departure end of runway, 367' left of centerline, 75' AGL/372' MSL.

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**TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

10266

WALLACE, NC

HENDERSON FIELD (ACZ)

ORIG 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwy 9**, 300-1 or std. w/ min. climb of 389' per NM to 400.NOTE: **Rwy 9**, trees 2329' from DER, 462' left of centerline, 100' AGL/119' MSL. Pole 5056' from DER, 1074' left of centerline, 183' AGL/216' MSL. **Rwy 27**, vehicles on roadway 299' from DER, 421' right of centerline, 15' AGL/54' MSL. Trees 4916' from DER, 1296' left of centerline, 100' AGL/169' MSL.**WALNUT COVE, NC**

MEADOW BROOK FIELD (N63)

AMDT 1 10014 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16**, 400-3 or std. w/ min. climb of 324' per NM to 1400. **Rwy 34**, 600-3 w/ min. climb of 267' per NM to 1400 or 1800-3 for climb in visual conditions.DEPARTURE PROCEDURE: **Rwy 16**, climb heading 166° to 1400 before proceeding on course. **Rwy 34**, climb heading 001° to 2800 before turning West or for climb in visual conditions: cross Meadow Brook Field airport at or above 2300 before proceeding on course.NOTE: **Rwy 16**, vehicle on road 428' from DER, 591' left of centerline, up to 15' AGL/674' MSL. Trees beginning 541' from DER, 618' right of centerline, up to 65' AGL/804' MSL. Tank 5738' from DER, 742' right of centerline, 157' AGL/863' MSL. Powerline 2525' from DER, 266' right of centerline, 79' AGL/716' MSL. **Rwy 34**, trees beginning 961' from DER, 389' right of centerline, up to 65' AGL/844' MSL. Trees beginning 1056' from DER, 744' left of centerline, up to 65' AGL/844' MSL.**WALTERBORO, SC**

LOW COUNTRY RGNL

TAKE-OFF MINIMUMS: **Rwy 5**, 300-1 or std. with a min. climb of 280' per NM to 300.NOTE: **Rwy 5**, 93' AGL tree 960' from departure end of runway, 710' right of centerline. **Rwy 9**, 75' AGL tree 365' from departure end of runway, 575' right of centerline. **Rwy 17**, 74' AGL tree 508' from departure end of runway, 635' right of centerline. **Rwy 23**, 84' AGL tree 710' from departure end of runway, 675' left of centerline. **Rwy 35**, 69' AGL tree 1062' from departure end of runway, 690' right of centerline.**WASHINGTON, NC**

WARREN FIELD

TAKE-OFF MINIMUMS: **Rwy 23**, 300-1 or std. with a min. climb of 250' per NM to 300.DEPARTURE PROCEDURE: **Rwys 17, 29, 35**, climb runway heading to 400 before turning.**WAXHAW, NC**

JAARS-TOWNSEND (N52)

ORIG 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4**, 300-1 or std. w/ min. climb of 255' per NM to 900, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 2200' prior to DER.NOTE: **Rwy 4**, trees beginning 3' from DER, left and right of centerline, up to 100' AGL/759' MSL. **Rwy 22**, trees beginning 2' from DER, left and right of centerline, up to 100' AGL/709' MSL.**WHITEVILLE, NC**

COLUMBUS COUNTY MUNI (CPC)

ORIG 09183 (FAA)

NOTE: **Rwy 6**, trees beginning 2145' from DER, 553' right of centerline, up to 100' AGL/189' MSL. Trees beginning 2690' from DER, 838' left of centerline, up to 100' AGL/169' MSL. **Rwy 24**, trees beginning 1706' from DER, 831' right of centerline, up to 100' AGL/209' MSL. Trees beginning 732' from DER, 396' left of centerline, up to 100' AGL/209' MSL.**WILLIAMSTON, NC**

MARTIN COUNTY

NOTE: **Rwy 3**, trees beginning 158' from departure end of runway, 98' right of centerline, up to 100' AGL/172' MSL. Trees beginning 3041' from departure end of runway, 168' left of centerline up to 100' AGL/172' MSL. **Rwy 21**, trees beginning 130' from departure end of runway, 57' right of centerline up to 100' AGL/168' MSL. Trees beginning 1393' from departure end of runway, 411' left of centerline up to 100' AGL/168' MSL. Vehicle on road 428' from departure end of runway, 15' AGL/80' MSL.**WILMINGTON, NC**

WILMINGTON INTL

NOTE: **Rwy 6**, tree 2723' from departure end of runway, 558' left of centerline 57' AGL/90' MSL. Tree 3201' from departure end of runway, 401' right of centerline 73' AGL/110' MSL. Tree 3552' from departure end of runway, 643' right of centerline, 78' AGL/118' MSL. **Rwy 17**, multiple trees beginning 177' from departure end of runway, 438' right of centerline, up to 32' AGL/49' MSL. Tree 187' from departure end of runway, 545' left of centerline, 24' AGL/41' MSL. Multiple trees beginning 418' from departure end of runway, 540' left of centerline, up to 39' AGL/53' MSL. Tree 620' from departure end of runway, 246' left of centerline, 24' AGL/38' MSL. Tree 1468' from departure end of runway, 684' right of centerline, 66' AGL/83' MSL. Tree 1689' from departure end of runway, 592' right of centerline, 52' AGL/69' MSL. Transmission lines 3347' from departure end of runway, 1300' left to 1300' right of centerline, 135' AGL/160' MSL. **Rwy 24**, tree 1663' from departure end of runway, 454' left of centerline, 61' AGL/75' MSL. Multiple trees beginning 1663' from departure end of runway, 277' left of centerline, up to 66' AGL/83' MSL. **Rwy 35**, tree 1500' from departure end of runway, 300' right of centerline, 50' AGL/83' MSL. Funnel 1796' from departure end of runway, 882' left of centerline, 57' AGL/90' MSL. Multiple trees beginning 1916' from departure end of runway, 138' right of centerline, up to 94' AGL/131' MSL. Multiple trees beginning 2486' from departure end of runway, 143' left of centerline, up to 107' AGL/140' MSL.**WILSON, NC**

WILSON INDUSTRIAL AIR CENTER

DEPARTURE PROCEDURE: For departures 260° CW 320°: **Rwy 27**, climbing left turn to 2500 on heading 260° before proceeding on course. **Rwys 15, 21**, climbing right turn to 2500 on heading 260° before proceeding on course. **Rwys 3, 9, 33**, climbing left turn to 2500 on heading 320° before proceeding on course.

10266

**TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

**WINSTON-SALEM, NC**

SMITH REYNOLDS (INT)

AMD T 6 09015 (FAA)

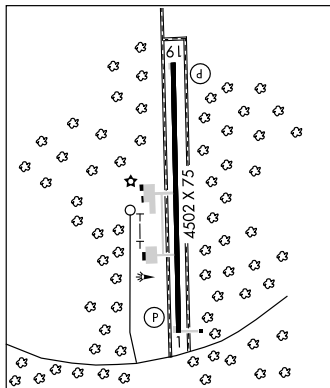
TAKE-OFF MINIMUMS: **Rwy 22**, 500-2¾ or std. with a min. climb of 330' per NM to 1600.

NOTE: **Rwy 4**, multiple trees beginning 1014' from departure end of runway, 159' left of centerline, up to 92' AGL/1041' MSL. Multiple trees beginning 2' from departure end of runway, 195' right of centerline, up to 62' AGL/1051' MSL. **Rwy 15**, bush and multiple trees beginning 109' from departure end of runway, 237' left of centerline, up to 81' AGL/960' MSL. Multiple trees beginning 123' from departure end of runway, 433' right of centerline, up to 66' AGL/945' MSL. **Rwy 22**, multiple trees beginning 376' from departure end of runway, 136' left of centerline, up to 65' AGL/1014' MSL. Antenna 4538' from departure end of runway, 1044' left of centerline, 189' AGL/1138' MSL. Tower 2.1 NM from departure end of runway, 2784' left of centerline, 468' AGL/1395' MSL. Antenna on building 2.3 NM from departure end of runway, 3230' left of centerline, 460' AGL/1376' MSL. **Rwy 33**, floodlight, multiple hangars, poles, and trees beginning 230' from departure end of runway, 41' left of centerline, up to 74' AGL/1083' MSL. Pole, windsock, multiple buildings and trees beginning 13' from departure end of runway, 141' right of centerline, up to 85' AGL/1084' MSL.

21 OCT 2010 to 18 NOV 2010

21 OCT 2010 to 18 NOV 2010



AHOSKIE**TRI-CO** (ASJ) 9 W UTC-5(-4DT) N36°17.85' W77°10.25'68 B **FUEL** 100LL, JET A1+ NOTAM FILE ASJ**RWY 01-19:** H4502X75 (ASPH) S-35, D-45 MIRL**RWY 01:** REIL. PAPI(P2L)—GA 3.05° TCH 39'. Road.**RWY 19:** REIL. PAPI(P2L)—GA 3.0° TCH 36'. Tree.**AIRPORT REMARKS:** Attended Mon-Sat 1400Z†-dusk, Sun 1900Z†-dusk. Rwy 01-19 -4' ditch 120' left and right of centerline. REIL Rwy 01 OTS indef. REIL Rwy 19 OTS indef. PAPI Rwy 19 OTS indef. ACTIVATE MIRL Rwy 01-19, REIL Rwy 01 and Rwy 19—CTAF.**WEATHER DATA SOURCES:** AWOS-3 119.075 (252) 345-2967.**COMMUNICATIONS:** CTAF/UNICOM 122.8**WASHINGTON CENTER APP/DEP CON** 123.85**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.**COFIELD (L) VORTAC** 114.6 CVI Chan 93 N36°22.37' W76°52.29' 262° 15.2 NM to fld. 70/09W.**WASHINGTON****L-35C, 366****IAP****AIR HARBOR** (See GREENSBORO)**AIRLI** N34°11.48' W77°51.98' NOTAM FILE ILM.**NDB (LOM)** 281 IL 346° 5.1 NM to Wilmington Intl. Unmonitored when twr clsd.**CHARLOTTE**

APP CRS	Rwy Idg	4502
008°	TDZE	68
	Apt Elev	68

GPS RWY 1

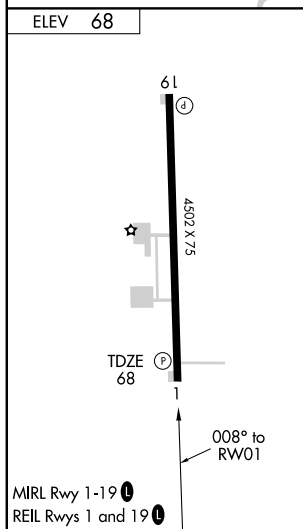
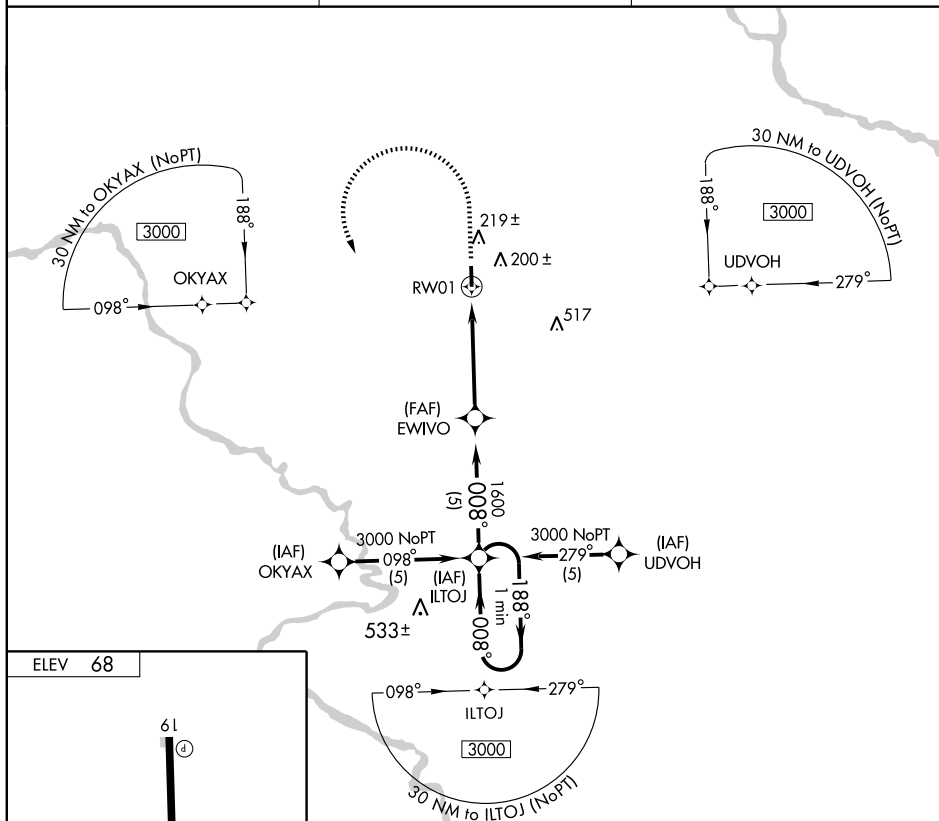
AHOSKIE/ TRI-COUNTY (A.S.J)

A NA

MISSED APPROACH: Climb to 900 then climbing left turn to 3000 direct ILTOJ WP and hold.

AWOS-3
119.075

WASHINGTON CENTER
123.85 323.0

UNICOM
122.8(CTAF) **L**

CATEGORY	A	B	D
S-1	440-1 372 (400-1)		440-1¼ 372 (400-1¼)
CIRCLING	520-1 452 (500-1)	520-1½ 452 (500-1½)	620-2 552 (600-2)

AHOSKIE, NORTH CAROLINA

Orig 03023

AHOSKIE/TRI-COUNTY (A.S.J)

GPS RWY 1

36°18'N-77°10'W

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy Idg	4502
188°	TDZE	68
	Apt Elev	68

GPS RWY 19

AHOSKIE/TRI-COUNTY (ASJ)

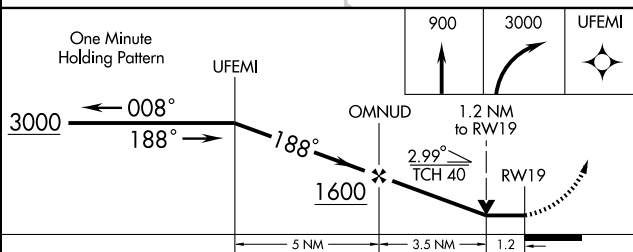
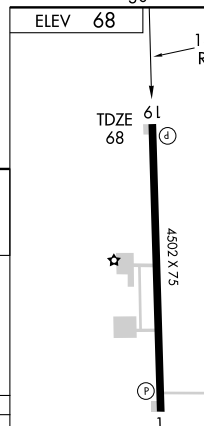
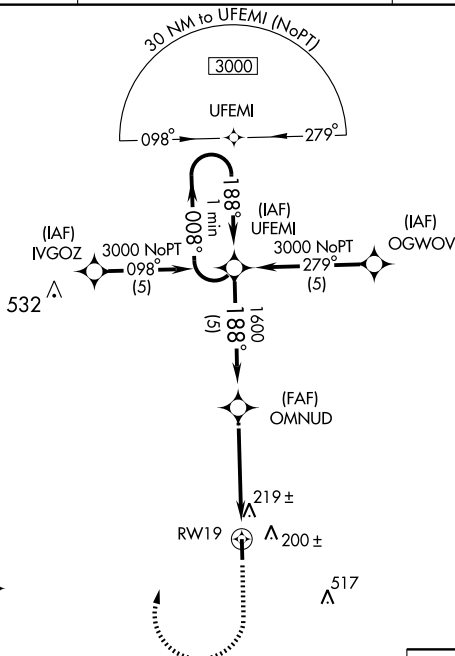
▲ NA

MISSED APPROACH: Climb to 900 then climbing right turn to 3000 direct UFEMI WP and hold.

AWOS-3
119.075

WASHINGTON CENTER
123.85 323.0

UNICOM
122.8 (CTAF) 0



CATEGORY	A	B	C	D
S-19	480-1	412 (500-1)	480-1¼	412 (500-1¼)
CIRCLING	520-1	452 (500-1)	520-1½ 452 (500-1½)	620-2 552 (600-2)

MIRL Rwy 1-19 0
REIL Rws 1 and 19 0

VORTAC CVI 114.6 Chan 93	APP CRS 262°	Rwy Idg TDZE Apt Elev	N/A N/A 68
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VOR/DME or GPS-A

AHOSKIE/ TRI-COUNTY (ASJ)

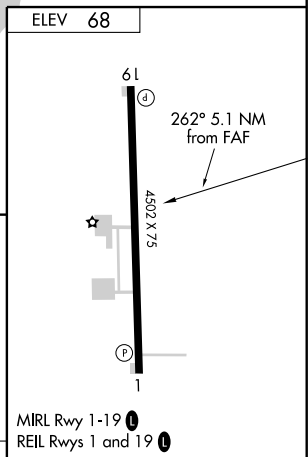
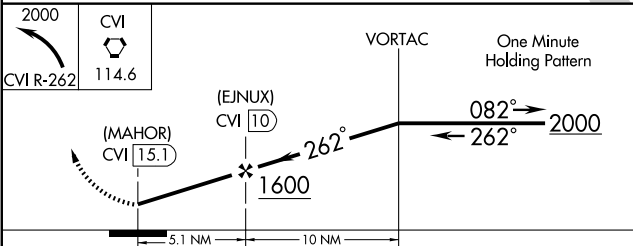
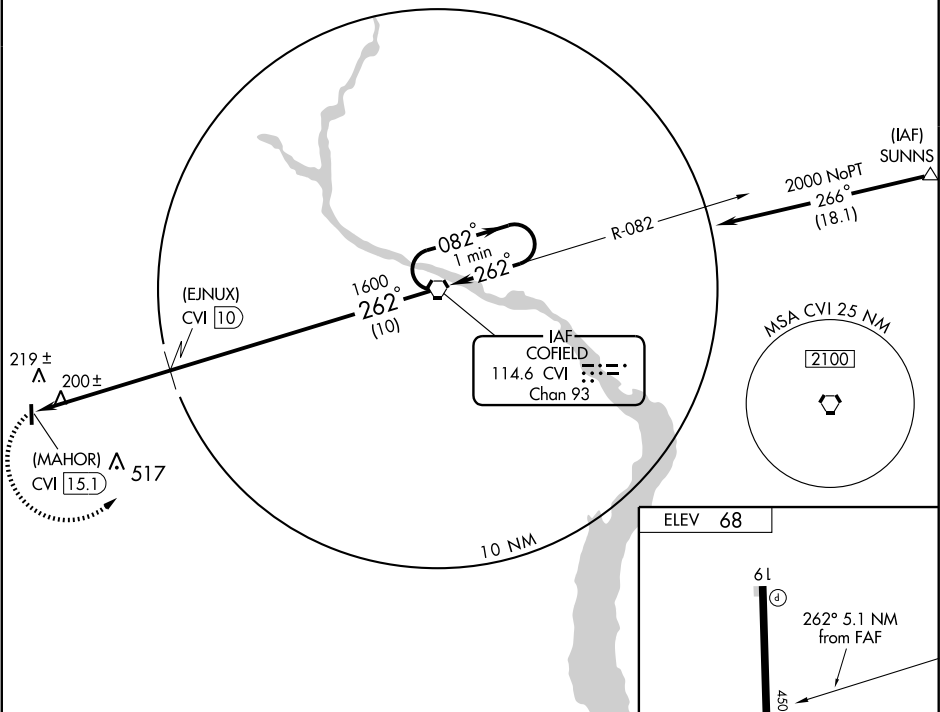
▲ NA

MISSED APPROACH: Climbing left turn to 2000 via CVI R-262 to CVI VORTAC and hold.

AWOS-3
119.075

WASHINGTON CENTER
123.85 323.0

UNICOM
122.8 (CTAF) 0



CATEGORY	A	B	C	D	Knots	60	90	120	150	180
CIRCLING	720-1	652 (700-1)	720-1 3/4 652 (700-1 3/4)	720-2 652 (700-2)	Min:Sec					

ALBEMARLE

STANLY CO

(VUJ) 4 NE UTC-5(-4DT) N35°25.00' W80°09.05'

CHARLOTTE

609 B S4 FUEL 100LL, JET A1+ OX 2 TPA—See Remarks NOTAM FILE VUJ

H-9B, 12H, L-25E, 36E

RWY 04R-22L: H5500X100 (ASPH) D-130, 2S-175 MIRL 0.6% up SW IAP

RWY 04R: REIL. PAPI(P2L)—GA 3.0° TCH 39'. Trees.

RWY 22L: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Tree.

RWY 04L-22R: H3500X75 (ASPH) D-130, 2S-175 MIRL

0.3% up SW

RWY 04L: Fence.

RWY 22R: Trees.

AIRPORT REMARKS: Attended 1300-0100Z†. Fuel avbl from FBO 1300-0100Z† other times PPR, C704-982-9013. Self-service fuel available 24 hrs with credit card. Government credit card accepted. Be alert for high speed low level mil acft in vicinity. Frequent ngt mil opr. Frequent assault ops to Rwy 22R. Deer and bird hazard. TPA-1709 (1100), rectangular 2309 (1700), overhead 2809 (2200). No maintenance personnel or equipment. No cargo handling equipment, hangar space and security avbl. Fire protection limited. Regional Training Site (RTS) support coordinated thru 145 AW/CE DSN 231-4229. Air National Guard ramp rstd to mil use only with PPR. Maximum three C-130 acft. Ctc 145 AW Afid Management DSN 231-4177, C704-391-4177. ACTIVATE MIRL Rwy 04L-22R and Rwy 04R-22L and REIL Rwy 04R and Rwy 22L—CTAF. PAPI Rwy 04R and Rwy 22L on during twr opr, other times—CTAF.

WEATHER DATA SOURCES: AWOS-3 128.175 (704) 986-2097.**COMMUNICATIONS:** CTAF 126.275 UNICOM 123.0

CHARLOTTE APP/DEP CON 128.32 CLNC DEL 128.5

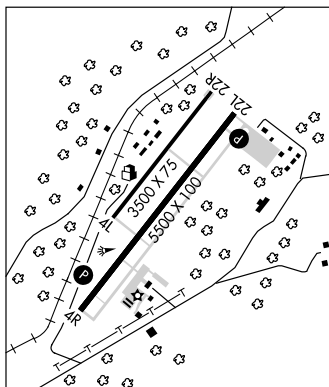
TOWER 126.275 (Mon-Fri 1300-0300Z†) except holidays or by NOTAM. GND CON 121.75 CLNC DEL 121.75

AIRSPACE: CLASS D svc Mon-Fri 1300-0300Z† except holidays or by NOTAM, other times CLASS G.**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.

SANDHILLS (L) VORTAC 111.8 SDZ Chan 55 N35°12.93' W79°35.28' 297° 30.2 NM to fld. 590/03W.

ALLER NDB (MHW/LOM) 346 VU N35°29.35' W80°05.01' 223° 5.5 NM to fld.

ILS 110.55 I-VUJ Rwy 22L. LOM ALLER NDB. GS unusable blo 900' MSL.

COMM/NAV/WEATHER REMARKS: Charlotte CLNC DEL OTS indef. Twr svc provided by Air Guard.

ALBERT J. ELLIS

(See JACKSONVILLE)

ALLER N35°29.35' W80°05.01' NOTAM FILE RDU.

CHARLOTTE

NDB (MHW/LOM) 346 VU 223° 5.6 NM to Stanly Co.

L-25E, 36F

ALWOOD N35°42.41' W77°22.31' NOTAM FILE PGV.

CHARLOTTE

NDB (MHW) 230 AQE 198° 4.3 NM to Pitt-Greenville.

L-35C

ANDREWS

WESTERN CAROLINA RGNL (RHP) 2 W UTC-5(-4DT) N35°11.71' W83°51.78'

ATLANTA

1697 B S4 FUEL 100LL, JET A, A1+ OX 1, 2 NOTAM FILE RHP

H-9B, 12G, L-25B

RWY 08-26: H5500X100 (ASPH) S-25, D-45 MIRL 0.3% up NE IAP

RWY 08: REIL. PAPI(P2L)—GA 3.5° TCH 38'. Railroad. Rgt tfc.

RWY 26: PAPI (P2L)—GA 4.0° TCH 44'. Trees.

AIRPORT REMARKS: Attended Nov-Mar 1300-2200Z†, Apr-Oct 1300-0000Z†. For fuel svc after hrs call 828-321-5114. Low flying acft overfly arpt. For information ctc FSS. Rwy 08, 8' drop-off, 108 ft from thld both sides in rwy safety area. Twy unlgtd. ACTIVATE REIL Rwy 08—CTAF. PAPI Rwy 08 and Rwy 26 opr continuously. MIRL Rwy 08-26 on dusk-dawn. To incr ints—CTAF.

WEATHER DATA SOURCES: AWOS-3 119.675 (828) 321-1049.**COMMUNICATIONS:** CTAF/UNICOM 122.8

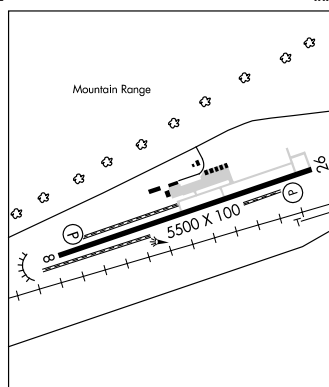
ATLANTA CENTER APP/DEP CON 134.8

RADIO AIDS TO NAVIGATION: NOTAM FILE MCN.

HARRIS (L) VORTACW 109.8 HRS Chan 35 N34°56.58'

W83°54.94' 010° 15.3 NM to fld. 3660/00E.

HIWAS.



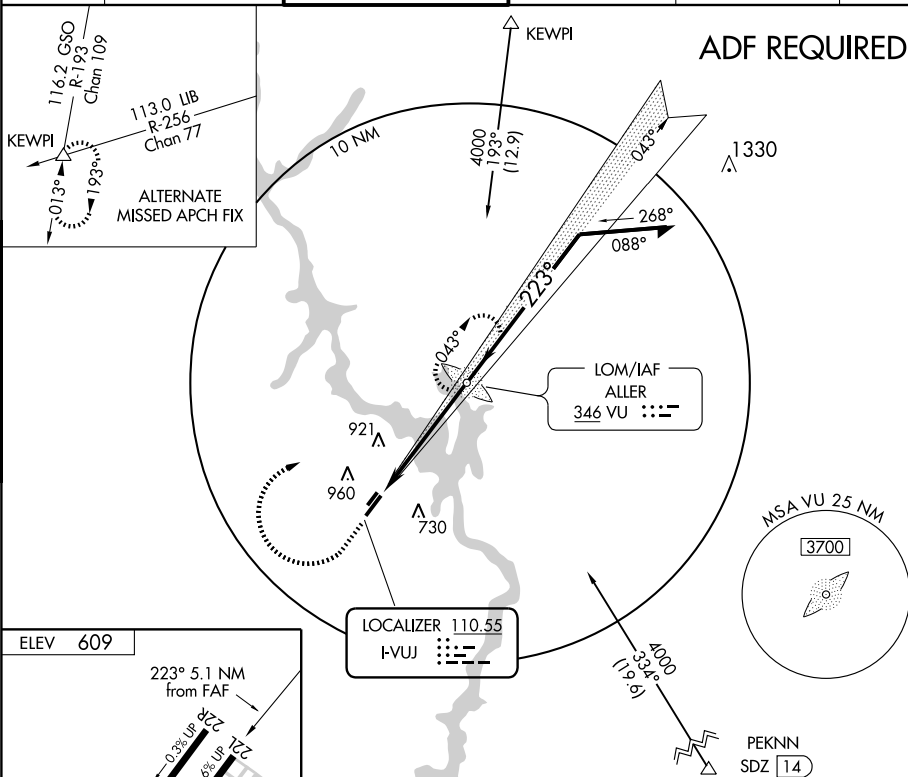
LOC I-VUJ 110.55	APP CRS 223°	Rwy Idg TDZE Apt Elev	5500 584 609
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ILS or LOC RWY 22L
ALBEMARLE/ STANLY COUNTY (VUJ)

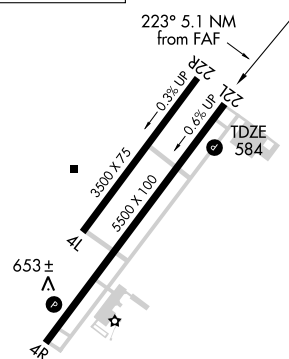
▽ Circling to Rwy 4L/22R NA at night. ADF Required.
▲ When local altimeter setting not received, use Asheville altimeter setting and increase all DA to 837 and all MDA 60 feet; increase S-ILS 22L all Cats, S-LOC 22L Cats C and D, and Circling Cats C and D visibility $\frac{1}{4}$ mile.

MISSED APPROACH: Climb to 1500 then climbing right turn to 4000 direct ALLER LOM and hold, continue climb-in-hold to 4000.

AWOS-3 128.175	CHARLOTTE APP CON 128.32 307.8	STANLY COUNTY TOWER* 126.275 (CTAF) 0 291.9	GND CON 121.75 254.375	CLNC DEL 121.75 254.375	UNICOM 123.0
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ELEV 609




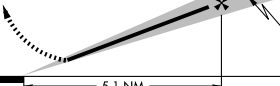


REIL Rwy 4R and 22L

MIRL Rwy 4R-22L and 4L-22R

FAF to MAP 5.1 NM

Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

1500	4000	VU	LOM	2255	043°	2600	Remain within 10 NM
					223°	<u>2400</u>	GS 3.00° TCH 40°
							
CATEGORY	A	B	C	D			
S-ILS 22L	784- ³ / ₄ 200 (200- ³ / ₄)						
S-LOC 22L	1040-1	456 (500-1)	1040-1 ¹ / ₄ 456 (500-1 ¹ / ₄)	1040-1 ¹ / ₂ 456 (500-1 ¹ / ₂)			
CIRCLING	1260-1	651 (700-1)	1260-1 ³ / ₄ 651 (700-1 ³ / ₄)	1260-2 651 (700-2)			



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

ARRIVAL DESCRIPTION

FLORENCE TRANSITION (FLO.NASCR1): From over FLO VORTAC via FLO R-312 to CTF VOR/DME then via CTF R-348 to NASCR INT. Thence....

FRANKLIN TRANSITION (FKN.NASCR1): From over FKN VORTAC via FKN R-249 to ARGAL INT then via GSO R-088 to GSO VORTAC then via GSO R-221 to NASCR INT. Thence....

LIBERTY TRANSITION (LIB.NASCR1): From over LIB VORTAC via LIB R-248 to NASCR INT. Thence....

LYNCHBURG TRANSITION (LYH.NASCR1): From over LYH VORTAC via LYH R-235 to HENBY INT then via GSO R-360 to GSO VORTAC then via GSO R-221 to NASCR INT. Thence....

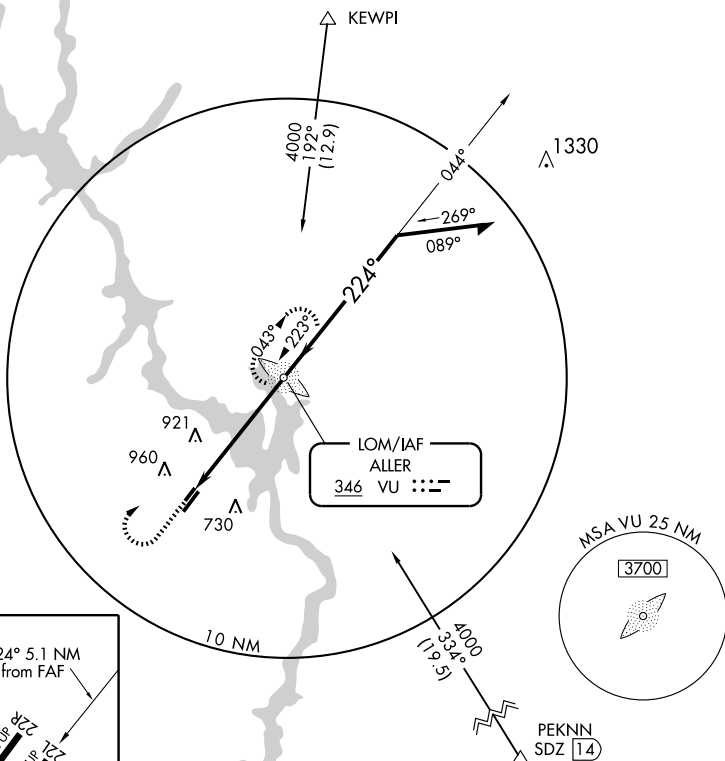
....From over NASCR INT expect vectors to final approach course.

SE-2, 21 OCT 2010 to 18 NOV 2010

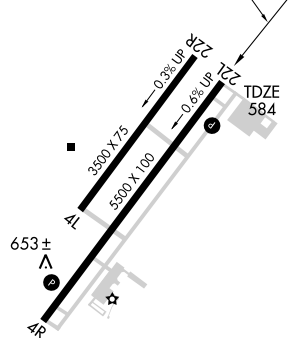
SE-2, 21 OCT 2010 to 18 NOV 2010

ALBEMARLE/ STANLY COUNTY (VUJ)




MISSED APPROACH: Climb to 1500 then climbing right turn to 4000 direct ALLER LOM and hold, continue climb-in-hold to 4000.

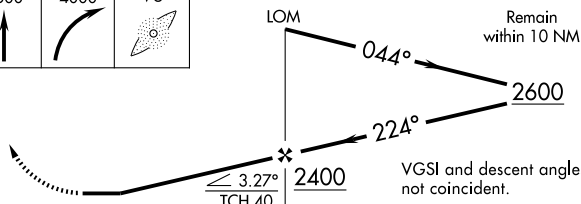
UNICOM
123.0

224° 5.1 NM
from FAF \

REIL Rwy 4R and 22L MIRL Rwy 4R-22L and 4L-22R

FAF to MAP 5.1 NM

1500	4000	VU
		



CATEGORY	A	B	C	D
S-22L	1240-1	656 (700-1)	1240-1 $\frac{3}{4}$ 656 (700-1 $\frac{3}{4}$)	1240-2 656 (700-2)
CIRCLING	1260-1	651 (700-1)	1260-1 $\frac{3}{4}$ 651 (700-1 $\frac{3}{4}$)	1260-2 651 (700-2)

ALBEMARLE/ STANLY COUNTY (VUJ)

35°25'N - 80°09'W

NDB RWY 22L

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

WAAS CH 49117 W04A	APP CRS 043°	Rwy Idg TDZE Apt Elev	5500 609 609
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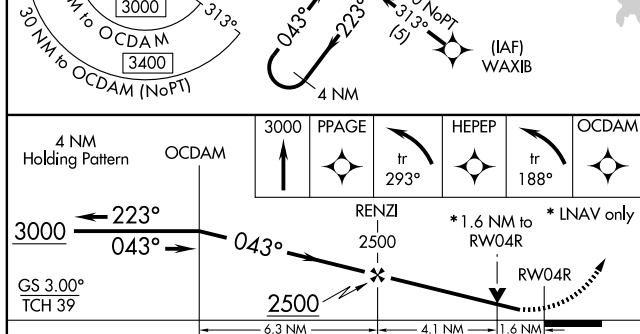
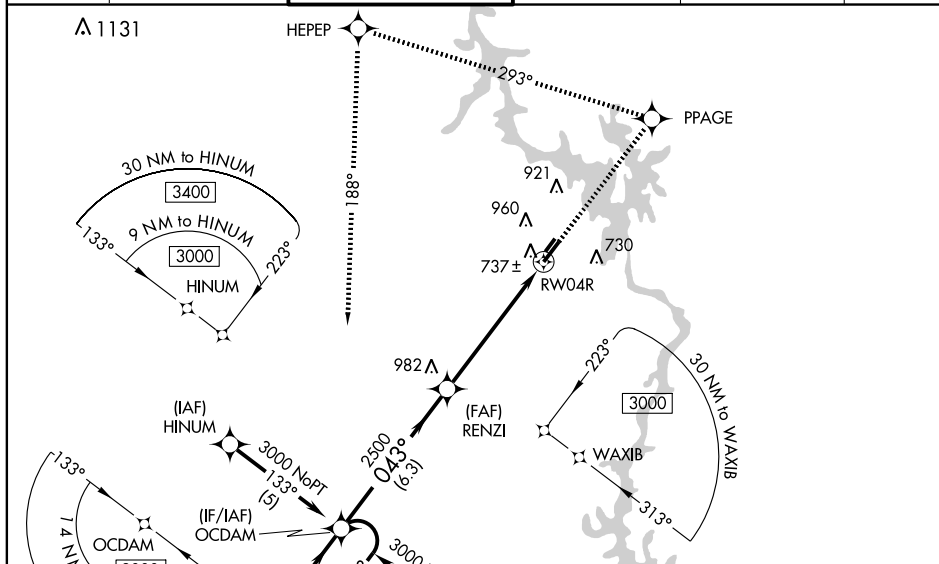
RNAV (GPS) RWY 4R

ALBEMARLE/STANLY COUNTY (VUJ)

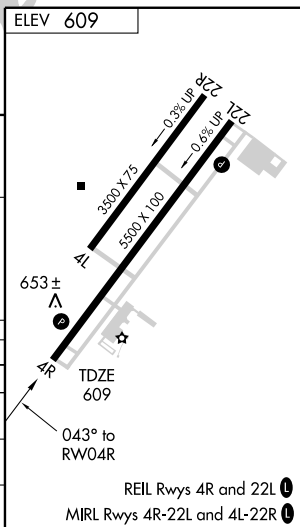
▼ Circling to Rwy 4L/22R NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. **▲** Visibility reduction by helicopters NA. When local altimeter setting not received, use Asheboro altimeter setting and increase LPV DA to 929, LNAV/VNAV DA to 1083, and all MDA 60 feet; increase LPV all Cats, LNAV/VNAV all Cats, LNAV Cats C and D, and Circling Cats C and D visibility ¼ mile. Baro-VNAV NA when using Asheboro altimeter setting. VDP NA with Asheboro altimeter setting.

MISSED APPROACH: Climb to 3000 direct PPAGE and left turn on track 293° to HEPEP and left turn on track 188° to OCDAM and hold.

AWOS-3 128.175	CHARLOTTE APP CON 128.32 307.8	STANLY COUNTY TOWER* 126.275 (CTAF) 0 291.9	GND CON 121.75 254.375	CLNC DEL 121.75 254.375	UNICOM 123.0
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CATEGORY	A	B	C	D
LPV DA		876-1	267 (300-1)	
LNAV/VNAV DA		1030-1½	421 (500-1½)	
LNAV MDA	1160-1 551 (600-1)	1160-1½ 551 (600-1½)	1160-1¾ 551 (600-1¾)	
CIRCLING	1260-1 651 (700-1)	1260-1¾ 651 (700-1¾)	1260-2 651 (700-2)	



WAAS CH 78317 W22A	APP CRS 223°	Rwy Idg TDZE Apt Elev	5500 584 609
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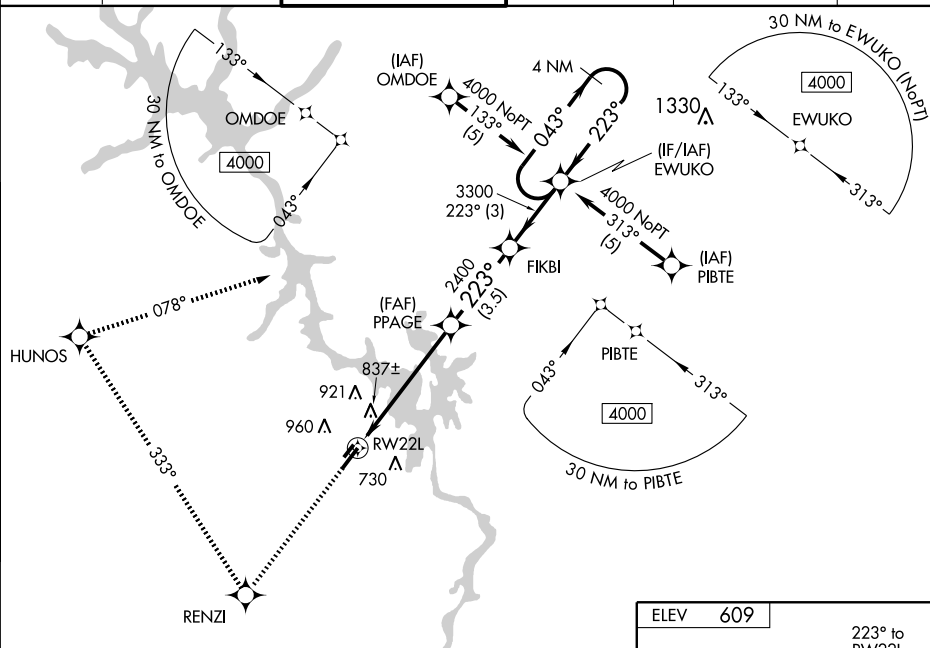
RNAV (GPS) RWY 22L

ALBEMARLE/ STANLY COUNTY (VUJ)

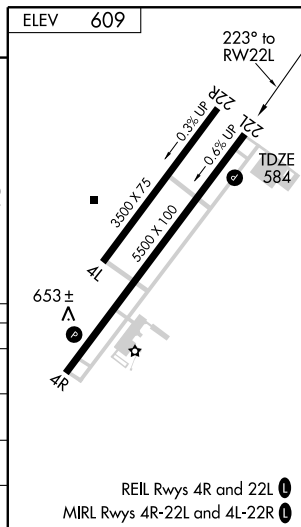
▼ Circling to Rwy 4L/22R NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Asheville altimeter setting and increase LPV DA to 837, LNAV/VNAV DA to 1325, and all MDA 60 feet; increase LPV and LNAV/VNAV all Cats, and Circling Cats C and D visibility ¼ mile. Baro-VNAV NA when using Asheville altimeter setting. VDP NA with Asheville altimeter setting.

MISSED APPROACH: Climb to 4000 direct RENZI and right turn on track 333° to HUNOS and right turn on track 078° to EWUKO and hold.

AWOS-3 128.175	CHARLOTTE APP CON 128.32 307.8	STANLY COUNTY TOWER* 126.275 (CTAF) 0 291.9	GND CON 121.75 254.375	CLNC DEL 121.75 254.375	UNICOM 123.0
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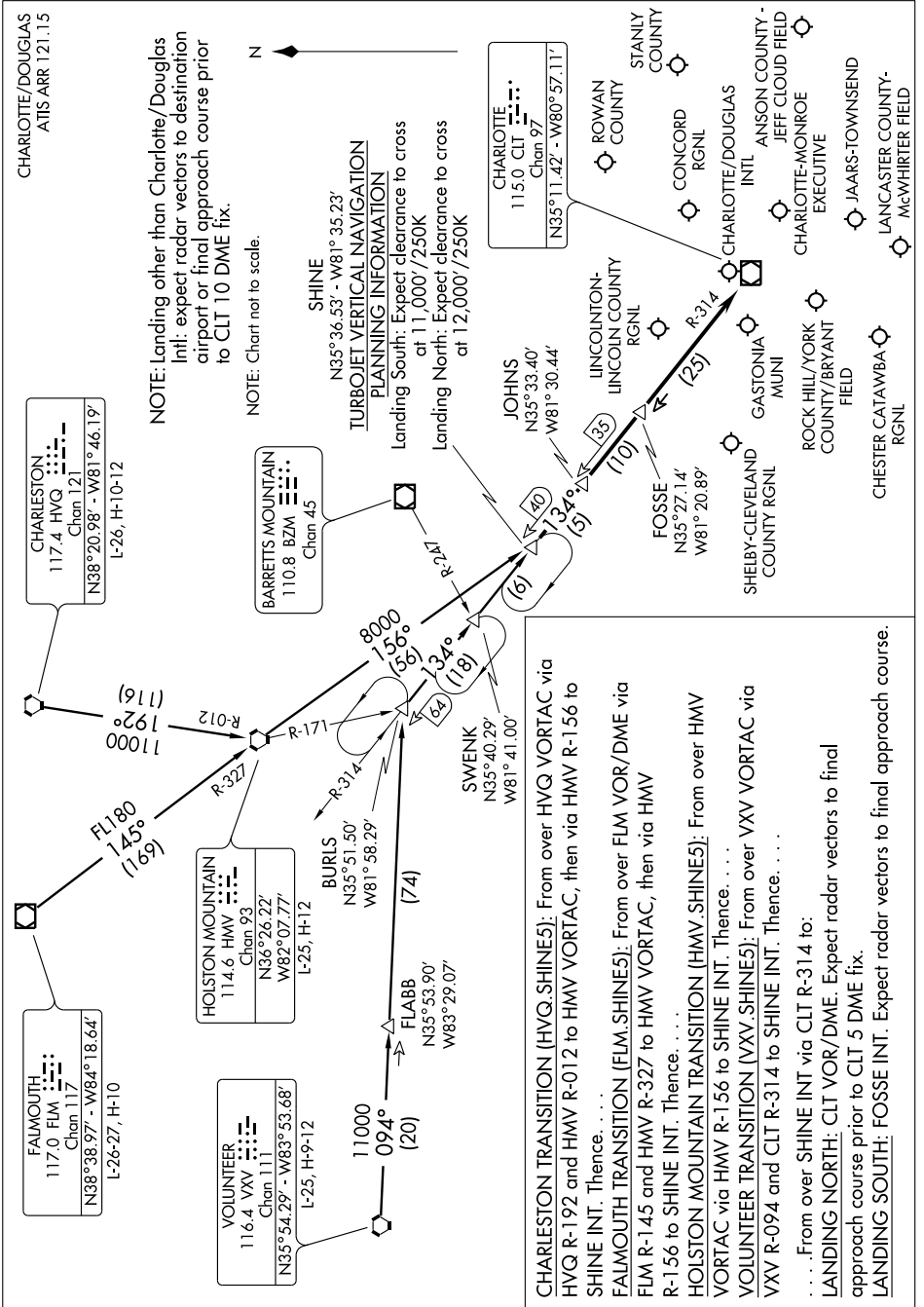


4000	RENZI	tr 333°	HUNOS	tr 078°	EWUKO	4 NM Holding Pattern
* LNAV only.						
CATEGORY	A		B		C	
LPV DA	784-¾		200 (200-¾)			
LNAV/VNAV DA	1272-2½		688 (700-2½)			
LNAV MDA	1100-1	516 (500-1)	1100-1½	516 (500-1½)	1100-1¾	516 (500-1¾)
CIRCLING	1260-1	651 (700-1)	1260-1¾	651 (700-1¾)	1260-2	651 (700-2)



SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA



SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA

UNARM ONE ARRIVAL

UNARM ONE ARRIVAL

CHARLOTTE/DOUGLAS
AITS ARR 121.15

SHELBY-CLEVELAND
COUNTY RGNL

LINCOLN-CLINTON
COUNTY RGNL

ROWAN COUNTY

STANLY
COUNTY

SPARTANBURG
115.7 SPA
Chan 104

LOCKS

CHARLOTTE/
DOUGLAS
INTL

CHARLOTTE
115.0 CLT
Chan 97
N35°11.42' - W80°57.11'

NOTE: Landing other than Charlotte/Douglas
Int'l: expect radar vectors to destination
airport or final approach course prior
to the CLT 10 DME fix.

NOTE: Chart not to scale.

TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
Landing South: Expect clearance to
cross at 12,000'/250K.
Landing North: Expect clearance to
cross at 11,000'/250K.

GREENWOOD
115.5 GRD
Chan 102
N34°15.09' - W82°09.25'

ATLANTA
116.9 ATL
Chan 116
N33°37.74' - W84°26.10'

COLUMBIA
114.7 CAE
Chan 94

LUKES
N34°01.85' - W82°09.44'

COLLIERS
113.9 IRQ
Chan 86
N33°42.44' - W82°09.72'

Expect clearance to cross at FL240

COLLIERS
113.9 IRQ
Chan 86
N33°42.44' - W82°09.72'

11000
005
11000

Expect clearance to cross at FL240

... From over UNARM INT via CLT R-232 to:
LANDING NORTH: LOCKS INT. Expect radar vectors to final
approach course.

LANDING SOUTH: CLT VOR/DME. Expect radar vectors to
final approach course prior to CLT 5 DME fix.

ATLANTA TRANSITION (ATLUNARM1): From over ATL VORTAC
via ATL R-071 and GRD R-254 to GRD VORTAC. Then via GRD
R-047 and CLT R-232 to UNARM INT. Thence. ...
COLLIERS TRANSITION (IRQ.UNARM1): From over IRQ VORTAC
via IRQ R-005 and GRD R-182 to GRD VORTAC. Then via GRD
R-047 and CLT R-232 to UNARM INT. Thence. ...

CHARLOTTE, NORTH CAROLINA

CHARLOTTE, NORTH CAROLINA

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

ALBEMARLE

STANLY CO

(VUJ) 4 NE UTC-5(-4DT) N35°25.00' W80°09.05'

CHARLOTTE

609 B S4 FUEL 100LL, JET A1+ OX 2 TPA—See Remarks NOTAM FILE VUJ

H-9B, 12H, L-25E, 36E

RWY 04R-22L: H5500X100 (ASPH) D-130, 2S-175 MIRL 0.6% up SW IAP

RWY 04R: REIL. PAPI(P2L)—GA 3.0° TCH 39'. Trees.

RWY 22L: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Tree.

RWY 04L-22R: H3500X75 (ASPH) D-130, 2S-175 MIRL

0.3% up SW

RWY 04L: Fence.

RWY 22R: Trees.

AIRPORT REMARKS: Attended 1300-0100Z†. Fuel avbl from FBO

1300-0100Z† other times PPR, C704-982-9013. Self-service

fuel available 24 hrs with credit card. Government credit card

accepted. Be alert for high speed low level mil acft in vicinity.

Frequent ngt mil opr. Frequent assault ops to Rwy 22R. Deer and

bird hazard. TPA-1709 (1100), rectangular 2309 (1700),

overhead 2809 (2200). No maintenance personnel or equipment.

No cargo handling equipment, hangar space and security avbl.

Fire protection limited. Regional Training Site (RTS) support

coordinated thru 145 AW/CE DSN 231-4229. Air National Guard

ramp rstd to mil use only with PPR. Maximum three C-130 acft.

Ctc 145 AW Afid Management DSN 231-4177, C704-391-4177.

ACTIVATE MIRL Rwy 04L-22R and Rwy 04R-22L and REIL Rwy

04R and Rwy 22L—CTAF. PAPI Rwy 04R and Rwy 22L on during

twr opr, other times—CTAF.

WEATHER DATA SOURCES: AWOS-3 128.175 (704) 986-2097.

COMMUNICATIONS: CTAF 126.275 UNICOM 123.0

CHARLOTTE APP/DEP CON 128.32 CLNC DEL 128.5

TOWER 126.275 (Mon-Fri 1300-0300Z†) except holidays or by NOTAM. GND CON 121.75 CLNC DEL 121.75

AIRSPACE: CLASS D svc Mon-Fri 1300-0300Z† except holidays or by NOTAM, other times CLASS G.

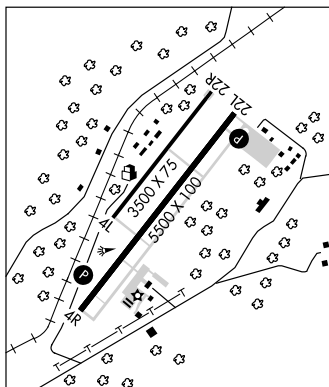
RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

SANDHILLS (L) VORTAC 111.8 SDZ Chan 55 N35°12.93' W79°35.28' 297° 30.2 NM to fld. 590/03W.

ALLER NDB (MHW/LOM) 346 VU N35°29.35' W80°05.01' 223° 5.5 NM to fld.

ILS 110.55 I-VUJ Rwy 22L. LOM ALLER NDB. GS unusable blo 900' MSL.

COMM/NAV/WEATHER REMARKS: Charlotte CLNC DEL OTS indef. Twr svc provided by Air Guard.



ALBERT J. ELLIS

(See JACKSONVILLE)

ALLER N35°29.35' W80°05.01' NOTAM FILE RDU.

CHARLOTTE

NDB (MHW/LOM) 346 VU 223° 5.6 NM to Stanly Co. L-25E, 36F

ALWOOD N35°42.41' W77°22.31' NOTAM FILE PGV.

CHARLOTTE

NDB (MHW) 230 AQE 198° 4.3 NM to Pitt-Greenville. L-35C

ANDREWS

WESTERN CAROLINA RGNL (RHP) 2 W UTC-5(-4DT) N35°11.71' W83°51.78'

ATLANTA

1697 B S4 FUEL 100LL, JET A, A1+ OX 1, 2 NOTAM FILE RHP

H-9B, 12G, L-25B

RWY 08-26: H5500X100 (ASPH) S-25, D-45 MIRL 0.3% up NE IAP

RWY 08: REIL. PAPI(P2L)—GA 3.5° TCH 38'. Railroad. Rgt tfc.

RWY 26: PAPI (P2L)—GA 4.0° TCH 44'. Trees.

AIRPORT REMARKS: Attended Nov-Mar 1300-2200Z†, Apr-Oct

1300-0000Z†. For fuel svc after hrs call 828-321-5114. Low

flying acft overfly arpt. For information ctc FSS. Rwy 08, 8'

drop-off, 108 ft from thld both sides in rwy safety area. Twy

unlgt. ACTIVATE REIL Rwy 08—CTAF. PAPI Rwy 08 and Rwy 26

opr continuously. MIRL Rwy 08-26 on dusk-dawn. To incr

ints—CTAF.

WEATHER DATA SOURCES: AWOS-3 119.675 (828) 321-1049.

COMMUNICATIONS: CTAF/UNICOM 122.8

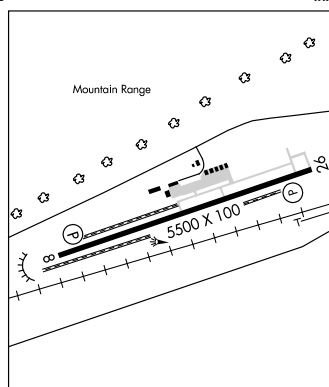
ATLANTA CENTER APP/DEP CON 134.8

RADIO AIDS TO NAVIGATION: NOTAM FILE MCN.

HARRIS (L) VORTACW 109.8 HRS Chan 35 N34°56.58'

W83°54.94' 010° 15.3 NM to fld. 3660/00E.

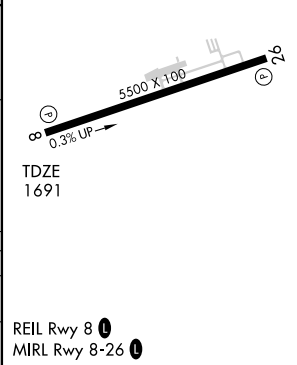
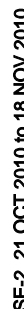
HIWAS.



RNAV (GPS) RWY 8

ANDREWS/WESTERN CAROLINA RGNL (RHP)

MISSED APPROACH: Climbing left turn to 5700 direct HISEN WP and hold.

UNICOM
122.8 (CTAF) **L**

ANDREWS/WESTERN CAROLINA RGNL (RHP)
35°12'N - 83°52'W RNAV (GPS) RWY 8

RNAV (GPS) RWY 8

ANSON CO—JEFF CLOUD FLD (See WADESBORO)**ASHE CO** (See JEFFERSON)**ASHEBORO RGNL** (HBI) 6 SW UTC-5(-4DT) N35°39.27' W79°53.69'

CHARLOTTE

H-9B, 12H, L-25E, 36F
IAP

671 B S4 FUEL 100LL, JET A1+ NOTAM FILE HBI

RWY 03-21: H5501X100 (ASPH) S-20 MIRL

RWY 03: REIL. PAPI(P2L)—GA 3.5° TCH 50'.

RWY 21: REIL. PAPI(P2L)—GA 3.0° TCH 35'. Trees.

AIRPORT REMARKS: Attended Oct-May 1300Z±—dusk, Jun-Sep 1300Z±-0100Z±. 24 hr self svc avbl with credit card. Rwy 03 has 40' dropoff 400' from thld. Terrain rising south of the arpt. ACTIVATE REIL Rwy 03 and 21, PAPI Rwy 03 and Rwy 21 after 0400Z±, MIRL Rwy 03-21—CTAF.

WEATHER DATA SOURCES: AWOS-3 119.275 (336) 626-7933.**COMMUNICATIONS:** CTAF/UNICOM 122.8⑤ **GREENSBORO APP/DEP CON** 118.5

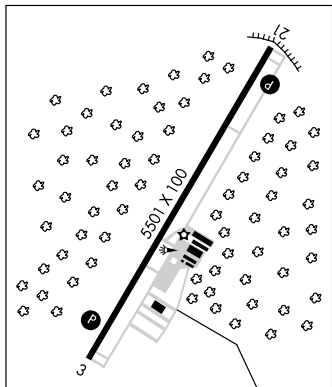
GCO 130.70 (FLIGHT SERVICES)

RADIO AIDS TO NAVIGATION: NOTAM FILE GSO.**GREENSBORO (H) VORTAC** 116.2 GSO Chan 109 N36°02.74'

W79°58.58' 173° 23.8 NM to fld. 879/03W. HIWAS.

CITY LAKE NDB (MHW) 266 CQJ N35°42.98' W79°51.92'

209° 4 NM to fld. NOTAM FILE HBI.

**ASHEE** N36°26.04' W81°19.32' NOTAM FILE GEV.

CINCINNATI

NDB (MHW/LOM) 410 JU 276° 4.7 NM to Ashe Co. L-25D

ASHEVILLE RGNL (AVL) 9 S UTC-5(-4DT) N35°26.17' W82°32.51'

ATLANTA

H-9B, 12G, L-25C

IAP, AD

2165 B S2 FUEL 100LL, JET A OX 3 Class I, ARFF Index B NOTAM FILE AVL

RWY 16-34: H8001X150 (ASPH-GRVD) S-120, D-160, 2S-175, 2D-260 HIRL CL

RWY 16: MALSR. PAPI(P4L)—GA 3.0° TCH 54'. 0.4% down.

RWY 34: MALSR. TDZL. VASI(V4L)—GA 2.8° TCH 57'. Rgt tfc.

0.9% up.

AIRPORT REMARKS: Attended continuously. PPR for unscheduled air carrier opr with more than 30 passenger seats 0400-1200Z±; call arpt manager 828-684-2226. Rwy 16 touchdown rwy visual range avbl. HIRL preset to off when twr clsd, to increase ints and ACTIVATE HIRL and MALSR Rwy 16 and Rwy 34—CTAF.

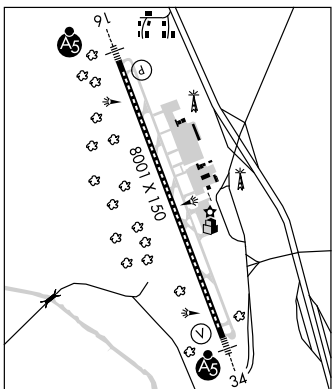
WEATHER DATA SOURCES: ASOS (828) 681-0131. LLWAS**COMMUNICATIONS:** CTAF 121.1 ATIS 120.2 UNICOM 122.95⑤ **APP/DEP CON** 125.8 (340-159°) 124.65 (160-339°) 1130-0400Z±**ATLANTA CENTER APP/DEP CON** 132.625 (0400-1130Z±)**TOWER** 121.1 (1130-0400Z±) **GND CON** 121.9**AIRSPACE:** CLASS C svc 1130-0400Z± etc **APP CON** other times CLASS G.**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.**SUGARLOAF MOUNTAIN (L) VORTAC** 112.2 SUG Chan 59

N35°24.39' W82°16.12' 280° 13.5 NM to fld.

3970/02W.

BROAD RIVER NDB (HW) 379 BRA N35°16.37' W82°28.26'

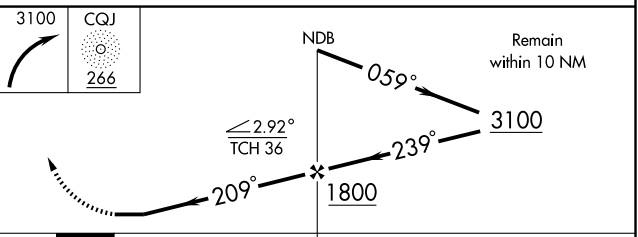
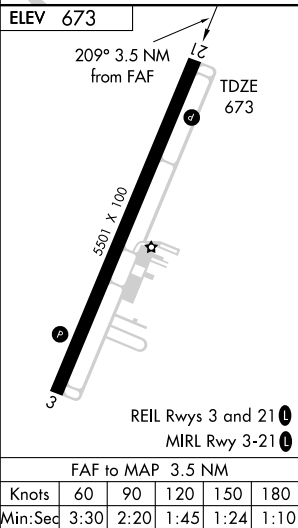
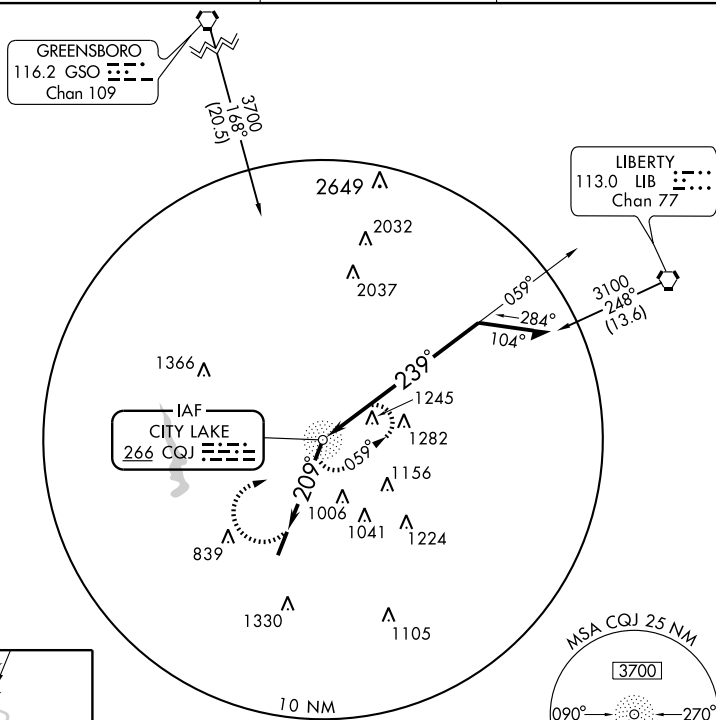
344° 10.4 NM to fld. NOTAM FILE AVL. (Unmonitored when twr closed).

KEANS NDB (LOM) 357 IM N35°31.97' W82°35.25' 163° 6.2 NM to fld.**ILS 110.5** I-AVL Rwy 34. Class IB. (Unmonitored when twr clsd).**ILS 110.9** I-IMO Rwy 16. Class IA. LOM KEANS NDB. (LOC only). ILS not avbl when twr clsd. Localizer unusable byd 20° rgt of course. Localizer unusable within .10 NM from thld.**ASR** (1130-0400Z±)**COMM/NAV/WEATHER REMARKS:** Communications unavailable blo 6,000' except by RALEIGH RADIO on 122.1R when avbl app con clsd. ASOS wind unreliable when twr closed.**AVERY CO/MORRISON FLD** (See SPRUCE PINE)

NDB CQJ 266	APP CRS 209°	Rwy Idg TDZE Apt Elev	5501 673 673
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NDB RWY 21
ASHEBORO RGNL (HBI)

<p>▼ ▲ NA</p>		<p>MISSED APPROACH: Climbing right turn to 3100 direct CQJ NDB and hold.</p>	
AWOS-3 119.275	GREENSBORO APP CON 118.5 327.075	GCO 130.70	UNICOM 122.8 (CTAF) 1



CATEGORY	A	B	C	D
S-21	1300-1 627 (700-1)		1300-1¾ 627 (700-1¾)	1300-2 627 (700-2)
CIRCLING	1300-1 627 (700-1)	1360-1 687 (700-1)	1440-2¼ 767 (800-2¼)	1680-3 1007 (1100-3)

APP CRS
030°
Rwy ldg TDZE **5501**
Apt Elev **667**

RNAV (GPS) RWY 3

ASHEBORO RGNL (HBI)

NA GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.
Baro VNAV NA below -16°C (3°F)

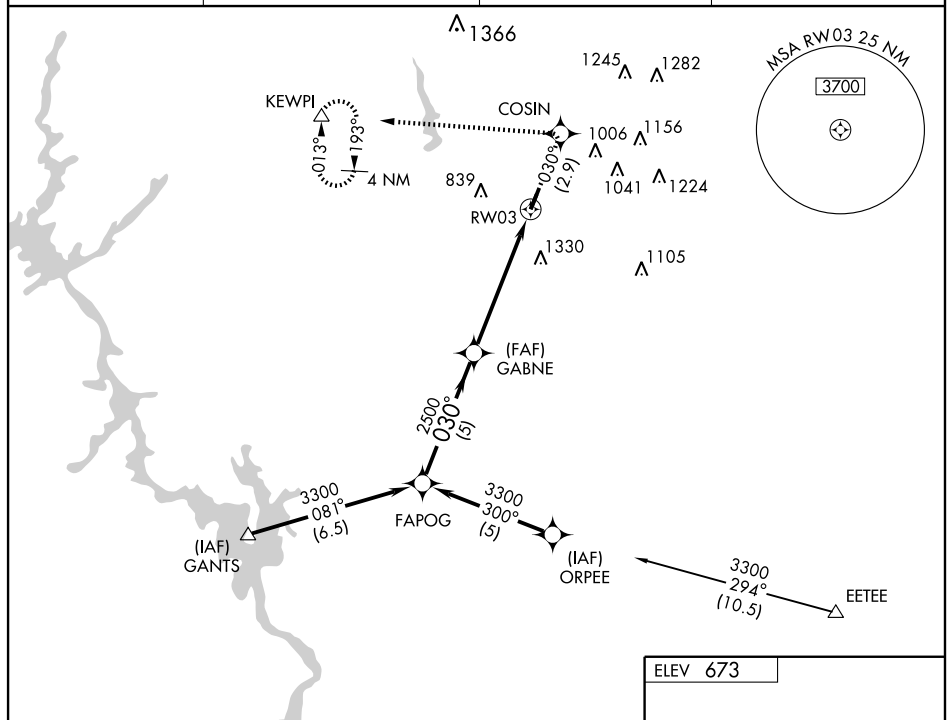
MISSED APPROACH: Climb to 3000 via 030° course to COSIN WP then turn left direct KEWPI WP and hold.

AWOS-3
119.275

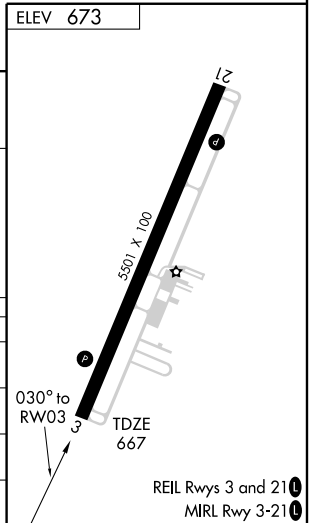
GREENSBORO APP CON
118.5 327.075

GCO
130.70

UNICOM
122.8(CTAF) 0



<div><div>FAPOG</div><div>3300</div><div>Procedure Turn NA</div><div>GS 3.00° TCH 45</div></div>			<div><div>VGSI and descent angles not coincident.</div><div>GABNE</div><div>030°</div><div>2500</div></div>			<div><div><div>3000</div><div>CRS 030°</div></div><div><div>COSIN</div><div></div></div><div><div></div><div>*LNAV only.</div></div><div><div>KEWPI</div><div>△</div></div></div>		
<div><div><div>5 NM</div><div>3 NM</div><div>2.5 NM</div></div><div><div></div><div>RW03</div></div></div>			<div><div>*2.5 NM to RW03</div></div>					
CATEGORY	A		B	C		D		
GLS PA DA	NA							
LNAV/VNAV DA	1320-2¼ 653 (700-2¼)							
LNAV MDA	1520-1 853 (900-1)	1520-1¼ 853 (900-1¼)	1520-2½ 853 (900-2½)	1520-2¾ 853 (900-2¾)				
CIRCLING	1520-2¼ 847 (900-2¼)		1520-2½ 847 (900-2½)	1680-3 1007 (1100-3)				



APP CRS
210°

Rwy Idg
TDZE
673

Apt Elev
673

RNAV (GPS) RWY 21

ASHEBORO RGNL (HBI)



GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

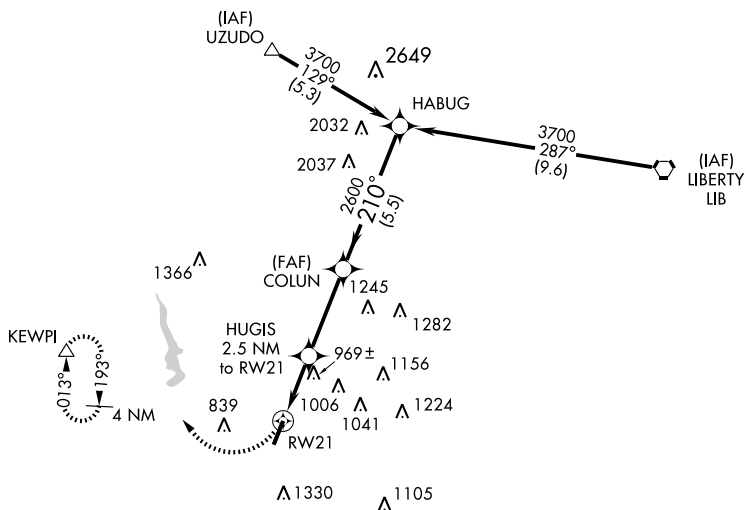
MISSED APPROACH: Climbing right turn
to 3000 direct KEWPI WP and hold.

AWOS-3
119.275

GREENSBORO APP CON
118.5 327.075

GCO
130.70

UNICOM
122.8(CTAF) 0



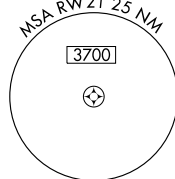
ELEV 673

210° to RW21

TDZE 673

5501 X 100

3



3000 KEWPI		HABUG	
HUGIS 2.5 NM to RW21		COLUN	
RW21		2600	
1.6 NM to RW21		210°	
1.6 NM		3.05° TCH 36	
0.9		5.5 NM	
CATEGORY	A	B	C
LNAV MDA	1220-1	547 (600-1)	1220-1½
CIRCLING	1260-1	1360-1	1440-2¼
	587 (600-1)	687 (700-1)	767 (800-2¼)
			1220-1¾
			547 (600-1¾)
			1680-3
			1007 (1100-3)

REIL Rwys 3 and 21 0

MIRL Rwy 3-21 0

VORTAC GSO 116.2 Chan 109	APP CRS 173°	Rwy Idg TDZE Apt Elev 673	N/A N/A
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VOR-A
ASHEBORO RGNL (HBI)



MISSED APPROACH: Climbing right turn to 3000
via GSO R-173 to NADLE Int and hold.

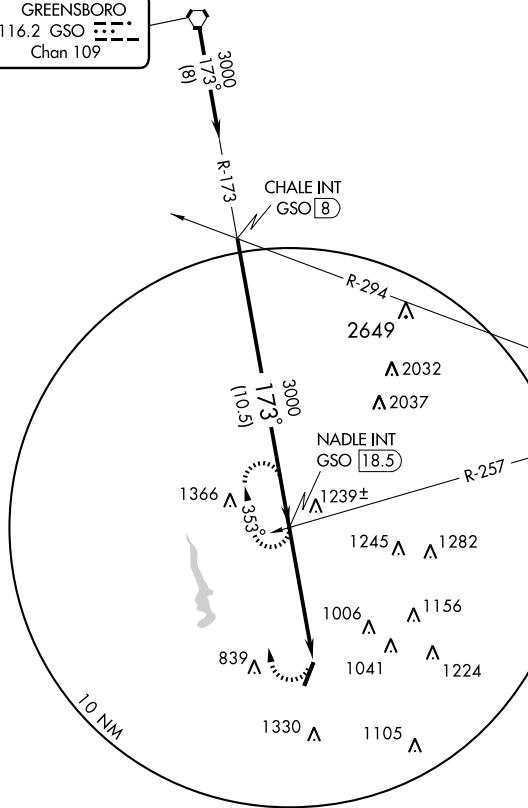
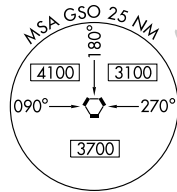
AWOS-3
119.275

GREENSBORO APP CON
118.5 327.075

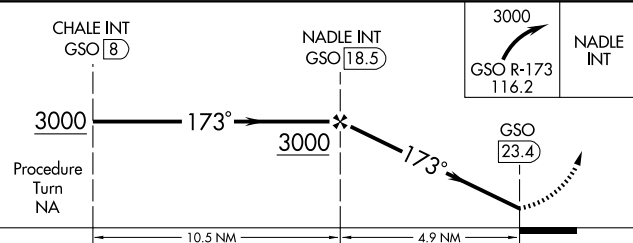
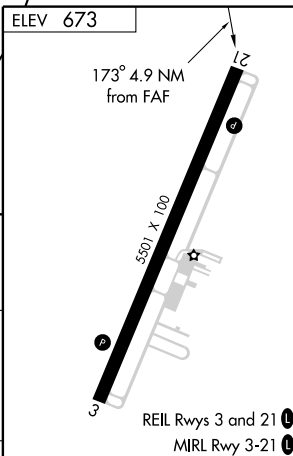
GCO
130.70

UNICOM
122.8(CTAF) **1**

IAF
GREENSBORO
116.2 GSO
Chan 109



LIBERTY
113.0 LIB
Chan 77



CATEGORY	A	B	C	D	FAF to MAP 4.9 NM					
CIRCLING	1320-1	1360-1¼	1440-2¼	1680-3	Knots	60	90	120	150	180
	647 (700-1)	687 (700-1¼)	767 (800-2¼)	1007 (1100-3)	Min:Sec	4:54	3:16	2:27	1:58	1:38

AIRPORT DIAGRAM

AL-5061 (FAA)

ASHEVILLE RGNL (AVL)
ASHEVILLE, NORTH CAROLINA

ATIS 120.2
ASHEVILLE TOWER ★
121.1 257.8
GND CON
121.9

35° 27.0' N

△ 2486

FIELD
ELEV
2165

165.9°
0.4% DOWN

JANUARY 2010
ANNUAL RATE OF CHANGE
0.1° W

FUEL TANKS

NORTH
FBO RAMP

HANGARS

SOUTH
FBO RAMP

FIRE STATION

TERMINAL

CONTROL
TOWER

8001 X 150

35° 26.0' N

RWY 16-34
S-120, D-160, 2S-175, 2D-260

0.9% UP
345.9°

ELEV
2111

82° 33.0' W

82° 32.0' W

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS
IS REQUIRED.

SE-2, 21 OCT 2010 to 18 NOV 2010

AIRPORT DIAGRAM

ASHEVILLE, NORTH CAROLINA
ASHEVILLE RGNL (AVL)

ANSON CO—JEFF CLOUD FLD (See WADESBORO)**ASHE CO** (See JEFFERSON)**ASHEBORO RGNL** (HBI) 6 SW UTC-5(-4DT) N35°39.27' W79°53.69'

CHARLOTTE

H-9B, 12H, L-25E, 36F
IAP

671 B S4 FUEL 100LL, JET A1+ NOTAM FILE HBI

RWY 03-21: H5501X100 (ASPH) S-20 MIRL

RWY 03: REIL. PAPI(P2L)—GA 3.5° TCH 50'.

RWY 21: REIL. PAPI(P2L)—GA 3.0° TCH 35'. Trees.

AIRPORT REMARKS: Attended Oct-May 1300Z±—dusk, Jun-Sep 1300Z±-0100Z±. 24 hr self svc avbl with credit card. Rwy 03 has 40' dropoff 400' from thld. Terrain rising south of the arpt. ACTIVATE REIL Rwy 03 and 21, PAPI Rwy 03 and Rwy 21 after 0400Z±, MIRL Rwy 03-21—CTAF.

WEATHER DATA SOURCES: AWOS-3 119.275 (336) 626-7933.**COMMUNICATIONS:** CTAF/UNICOM 122.8⑤ **GREENSBORO APP/DEP CON** 118.5

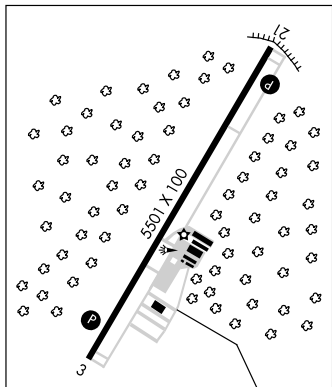
GCO 130.70 (FLIGHT SERVICES)

RADIO AIDS TO NAVIGATION: NOTAM FILE GSO.**GREENSBORO (H) VORTAC** 116.2 GSO Chan 109 N36°02.74'

W79°58.58' 173° 23.8 NM to fld. 879/03W. HIWAS.

CITY LAKE NDB (MHW) 266 CQJ N35°42.98' W79°51.92'

209° 4 NM to fld. NOTAM FILE HBI.

**ASHEE** N36°26.04' W81°19.32' NOTAM FILE GEV.

CINCINNATI

NDB (MHW/LOM) 410 JU 276° 4.7 NM to Ashe Co. L-25D

ASHEVILLE RGNL (AVL) 9 S UTC-5(-4DT) N35°26.17' W82°32.51'

ATLANTA

H-9B, 12G, L-25C

IAP, AD

2165 B S2 FUEL 100LL, JET A OX 3 Class I, ARFF Index B NOTAM FILE AVL

RWY 16-34: H8001X150 (ASPH-GRVD) S-120, D-160, 2S-175, 2D-260 HIRL CL

RWY 16: MALSR. PAPI(P4L)—GA 3.0° TCH 54'. 0.4% down.

RWY 34: MALSR. TDZL. VASI(V4L)—GA 2.8° TCH 57'. Rgt t/c.

0.9% up.

AIRPORT REMARKS: Attended continuously. PPR for unscheduled air carrier opr with more than 30 passenger seats 0400-1200Z±; call arpt manager 828-684-2226. Rwy 16 touchdown rwy visual range avbl. HIRL preset to off when twr clsd, to increase ints and ACTIVATE HIRL and MALSR Rwy 16 and Rwy 34—CTAF.

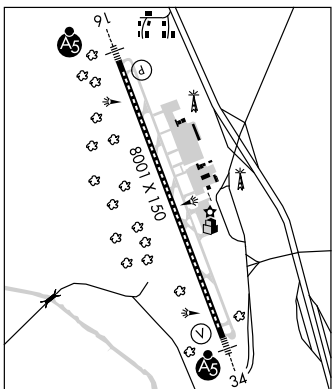
WEATHER DATA SOURCES: ASOS (828) 681-0131. LLWAS**COMMUNICATIONS:** CTAF 121.1 ATIS 120.2 UNICOM 122.95⑤ **APP/DEP CON** 125.8 (340-159°) 124.65 (160-339°) 1130-0400Z±**ATLANTA CENTER APP/DEP CON** 132.625 (0400-1130Z±)**TOWER** 121.1 (1130-0400Z±) **GND CON** 121.9**AIRSPACE:** CLASS C svc 1130-0400Z± etc **APP CON** other times CLASS G.**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.**SUGARLOAF MOUNTAIN (L) VORTAC** 112.2 SUG Chan 59

N35°24.39' W82°16.12' 280° 13.5 NM to fld.

3970/02W.

BROAD RIVER NDB (HW) 379 BRA N35°16.37' W82°28.26'

344° 10.4 NM to fld. NOTAM FILE AVL. (Unmonitored when twr closed).

KEANS NDB (LOM) 357 IM N35°31.97' W82°35.25' 163° 6.2 NM to fld.**ILS 110.5** I-AVL Rwy 34. Class IB. (Unmonitored when twr clsd).**ILS 110.9** I-IMO Rwy 16. Class IA. LOM KEANS NDB. (LOC only). ILS not avbl when twr clsd. Localizer unusable byd 20° rgt of course. Localizer unusable within .10 NM from thld.**ASR** (1130-0400Z±)**COMM/NAV/WEATHER REMARKS:** Communications unavailable blo 6,000' except by RALEIGH RADIO on 122.1R when avbl app con clsd. ASOS wind unreliable when twr closed.**AVERY CO/MORRISON FLD** (See SPRUCE PINE)

ATIS 120.2
GND CON 121.9
ASHEVILLE TOWER ★
121.1 (CTAF) 257.8
ASHEVILLE DEP CON
124.65 351.8
CLNC DEL/AIRBORNE
132.625 281.1 (when twr closed)

HOLSTON MOUNTAIN
114.6 HMV
Chan 93
N36° 26.22'-W82° 07.77'
L-25, H-9-12

VOLUNTEER
116.4 VXV
Chan 111
N35° 54.29'
W83° 53.68'
L-25, H-9-12

SNOWBIRD
108.8 SOT
Chan 25
N35° 47.41'
W83° 03.14'
L-25 H-9-12

BARRETT'S MOUNTAIN
110.8 BZM
Chan 45
N35° 52.13'-W81° 14.43'
L-25

SUGARLOAF MOUNTAIN
112.2 SUG
Chan 59
N35° 24.39'-W82° 16.12'
L-25

HARRIS
109.8 HRS
Chan 35
N34° 56.58'
W83° 54.94'
L-25, H-9-12

SPARTANBURG
115.7 SPA
Chan 104
N35° 02.02'-W81° 55.62'
L-24-25, H-9-12

CHARLOTTE
115.0 CLT
Chan 97
N35° 11.42'
W80° 57.11'
L-25-36, H-9-12

FOOTHILLS
113.4 ODF
Chan 81
N34° 41.75'
W83° 17.86'
L-25, H-9-12

ELECTRIC CITY
108.6 ELW
Chan 23
N34° 25.15'
W82° 47.08'
L-18

GREENWOOD
115.5 GRD
Chan 102
N34° 15.09'
W82° 09.25'
L-24, H-9-12

TAKE-OFF OBSTACLE NOTES:

Rwy 16: Tree 207' from DER, 529' left of centerline, 100' AGL/2148' MSL.

Rwy 34: Tree 543' from DER, 614' left of centerline, 100' AGL/2194' MSL.

Tree 81' from DER, 41' left of centerline, 100' AGL/2172' MSL.

TAKE-OFF MINIMUMS:

Rwy 16: Standard with minimum climb of 360' per NM to 6100'.

Rwy 34: Standard with minimum climb of 380' per NM to 5700'.

COLLIERS
113.9 IRQ
Chan 86
N33° 42.44'-W82° 09.72'
L-24, H-9-12

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 16: Climb heading 164° to 10000' or lower filed altitude. Expect radar vectors to join filed route/fix when leaving 6100'. Thence....

TAKE-OFF RUNWAY 34: Climb heading 344° to 10000' or lower filed altitude. Expect radar vectors to join filed route/fix when leaving 5700'. Thence....

....Aircraft filed at or above 11000' maintain 10000' and expect filed altitude/flight level ten minutes after departure.

SE-2, 21 OCT 2010 to 18 NOV 2010

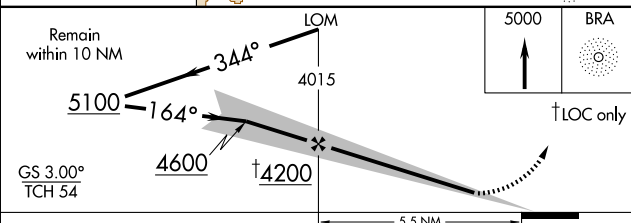
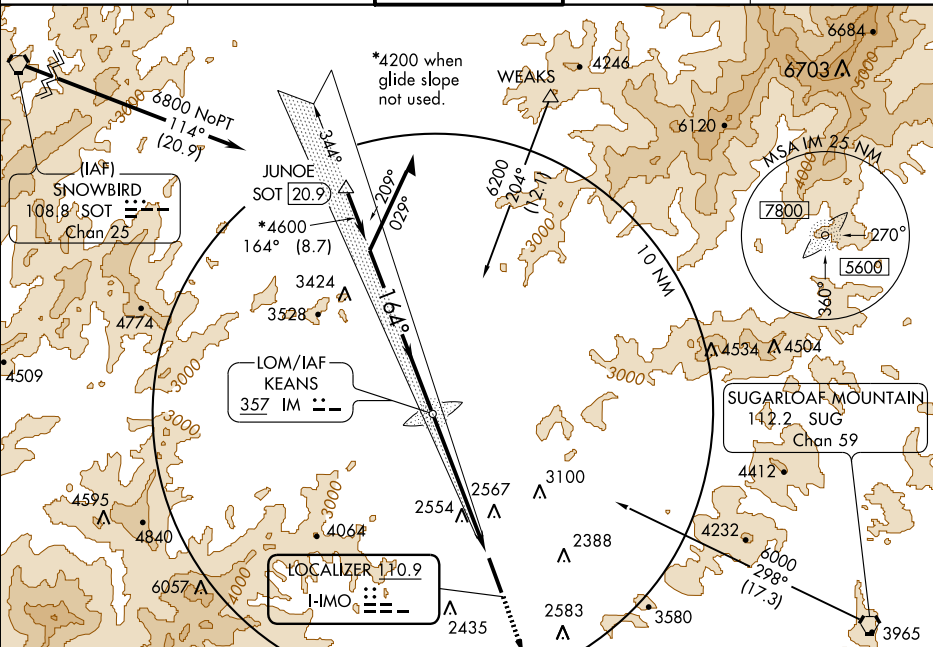
SE-2, 21 OCT 2010 to 18 NOV 2010

LOC I-MO 110.9	APP CRS 164°	Rwy Idg TDZE Apt Elev	8001 2165 2165
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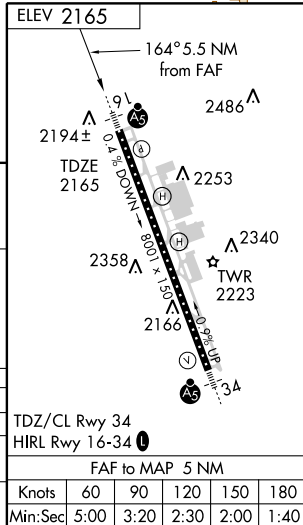
ILS or LOC RWY 16 ASHEVILLE RGNL (AVL)

<p>ADF Required. Circling NA west of runway 16-34, night Circling NA.</p>	<p>MALSR</p>	<p>MISSED APPROACH: Climb to 5000 direct BRA NDB and hold.</p>
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<p>ATIS 120.2</p>	<p>ASHEVILLE APP CON 124.65 269.575</p>	<p>ASHEVILLE TOWER ★ 121.1 (CTAF) 257.8</p>	<p>GND CON 121.9</p>	<p>UNICOM 122.95</p>
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CATEGORY	A	B	C	D
S-ILS 16		2379/40	214 (300-¾)	
S-LOC 16	2840/50	675 (700-1)	2840-2 675 (700-2)	2840-2¼ 675 (700-2¼)
CIRCLING	2880-1	715 (800-1)	2900-2 735 (800-2)	2900-2¼ 735 (800-2¼)



ILS OR LOC RWY 34

ASHEVILLE RGNL (AVL)

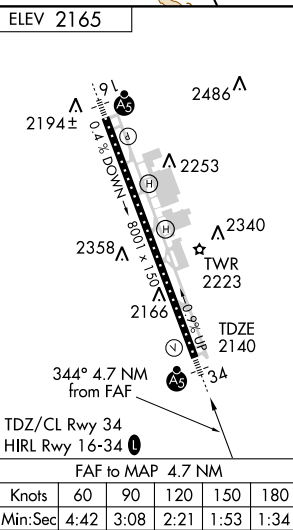
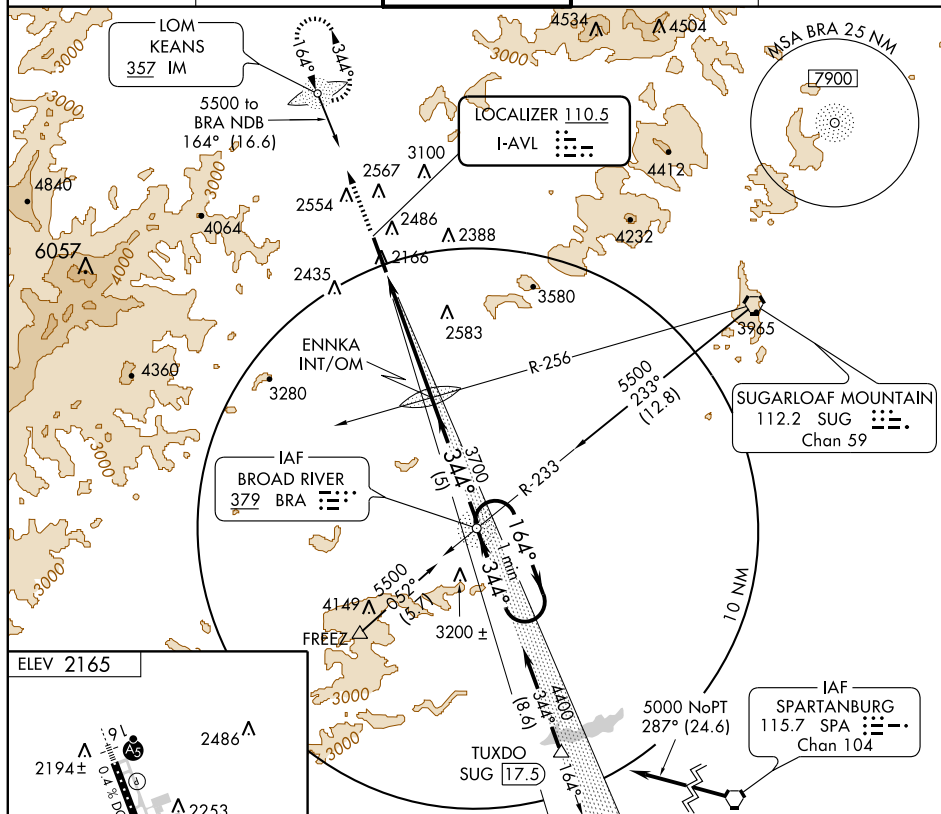
LOC I-AVL 110.5	APP CRS 344°	Rwy Idg TDZE Apt Elev 8001 2140 2165
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ASR Circling NA West of runway 16-34. Circling NA at night.
ADF REQUIRED. **RVR 1800 authorized with the use
of FD or AP or HUD to DA.



MISSED APPROACH: Climb to
5500 direct IM LOM and hold.

ATIS 120.2	ASHEVILLE APP CON 124.65 269.575	ASHEVILLE TOWER ★ 121.1 (CTAF) 257.8	GND CON 121.9	UNICOM 122.95
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5500

IM

* LOC only

CATEGORY	A	B	C	D
S-ILS 34	** 2340/24 200 (200-½)			
S-LOC 34	2800/24 660 (700-½)	2800/60 660 (700-¼)	2800-1½ 660 (700-½)	
CIRCLING	2880-1 715 (800-1)	2920-2¼ 755 (800-2¼)	2920-2½ 755 (800-2½)	

WAAS CH 90501 W16A	APP CRS 164°	Rwy Idg TDZE Apt Elev	8001 2165 2165
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RNAV (GPS) RWY 16

ASHEVILLE RGNL (AVL)

▼ Circling NA West of runway 16/34. Circling NA at night. For inoperative MALSRR, increase LPV all Cats visibility to RVR 4000, increase LNAV Cat A visibility to RVR 5000. If local altimeter setting not received, use Rutherfordton altimeter setting and increase all DA/MDAs 240 feet.

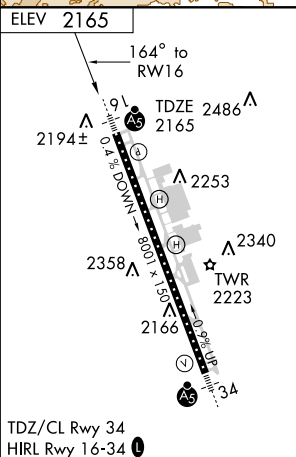
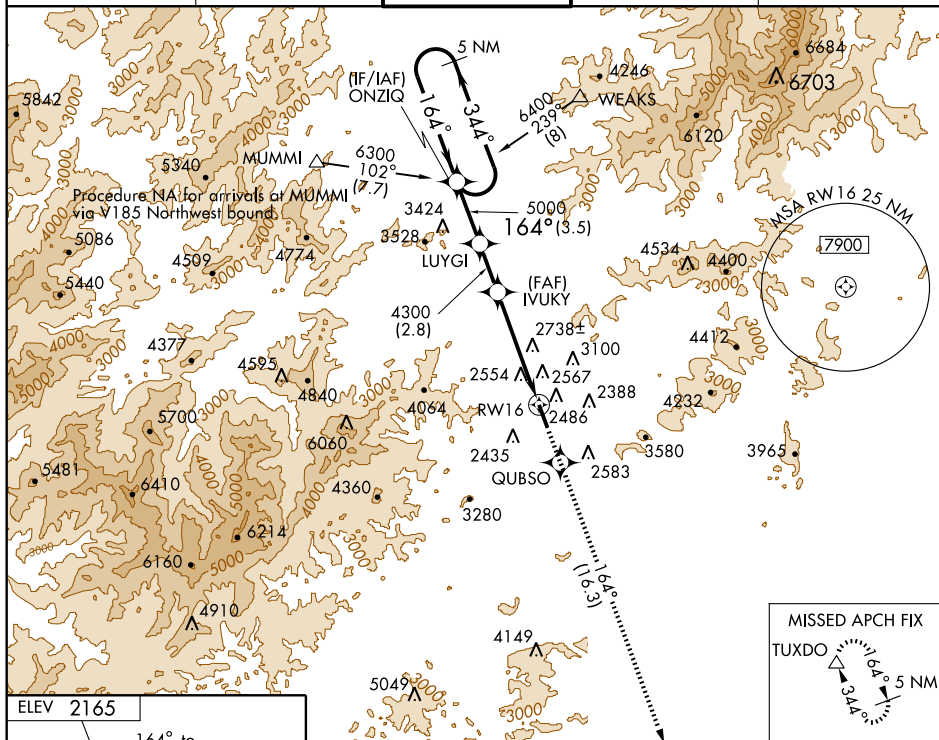
▲ VDP NA when using Rutherfordton altimeter setting. DME/DME RNP-0.3 NA.

MALSR



MISSED APPROACH:
Climb to 5000 direct QUBSO and via 164° track to TUXDO and hold.

ATIS 120.2	ASHEVILLE APP CON 124.65 269.575	ASHEVILLE TOWER★ 121.1 (CTAF) 0 257.8	GND CON 121.9	UNICOM 122.95
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5 NM Holding Pattern		ONZIQ	LUYGI	5000	QUBSO	↑	TRK 164°	TUXDO				
5000		← 344°	164° →	5000	164°							
GS 3.00°												
TCH 54												
VGSI and RNAV glidepath not coincident.												
		3.5 NM	2.8 NM	3.9 NM	2.5							
CATEGORY	A	B	C	D								
LPV DA	2415/24 250 (300-½)											
LNAV/VNAV DA	NA											
LNAV MDA	3020/40	855 (900-¾)	3020-2 855 (900-2)	3020-2¼ 855 (900-2¼)								
CIRCLING	3020-1 855 (900-1)	3020-1¼ 855 (900-1¼)	3020-2½ 855 (900-2½)	3020-2¾ 855 (900-2¾)								

ASHEVILLE, NORTH CAROLINA

Amdt 1 08101

35°26'N - 82°33'W

ASHEVILLE RGNL (AVL)

RNAV (GPS) RWY 16

WAAS CH 50501 W34A	APP CRS 344°	Rwy Idg 8001 TDZE 2140 Apt Elev 2165
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RNAV (GPS) RWY 34

ASHEVILLE RGNL (AVL)



Circling NA West of Rwy 16/34. Circling NA at night. If local altimeter setting not received, use Rutherfordton altimeter setting and increase all DA/MDAs 240 feet. VDP NA with Rutherfordton altimeter setting. For operative MALSR, increase LPV all Cats visibility to RVR 5000. DME/DME RNP-0.3 NA.



MISSED APPROACH:
Climb to 5000 direct
ONZIQ and hold.

ATIS 120.2	ASHEVILLE APP CON 124.65 269.575	ASHEVILLE TOWER★ 121.1 (CTAF) 0 257.8	GND CON 121.9	UNICOM 122.95
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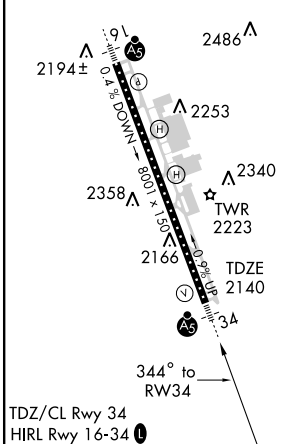
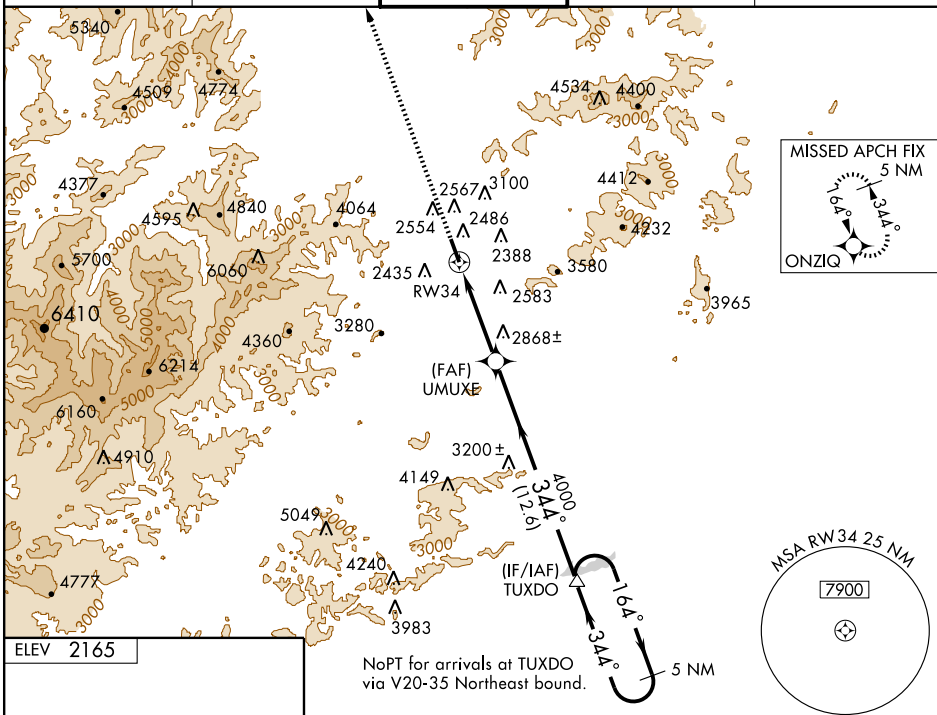


Diagram illustrating the RW34 RNAV approach for Runway 34 at OZLQ. The approach is a VGS1 and RNAV glidepath that is not coincident. The diagram shows the glidepath starting from a 5000 ft holding pattern at TUXDO, descending through 4000 ft and 344° to a 3.2 NM distance from RW34. The approach is labeled "VGS1 and RNAV glidepath not coincident." and "5 NM Holding Pattern". The diagram also shows the "UMUXE" and "RW34" points, and the "GS 3.00° TCH 50".

ASHEVILLE, NORTH CAROLINA

Amdt 1 08101

ASHEVILLE RGNL (AVL)

RNAV (GPS) RWY 34

35°26'N - 82°33'W

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

BARRETT'S MOUNTAIN N35°52.13' W81°14.43' NOTAM FILE RDU.
 (L) VOR/DME 110.8 BZM Chan 45 230°10.6 NM to Hickory Rgnl. 1880/06W.
 RCO 122.1R 110.8T (RALEIGH RADIO)

CHARLOTTE
 L-25D

BEAUFORT

MICHAEL J. SMITH FLD (MRH) 1 N UTC-5(-4DT) N34°44.01' W76°39.64'

CHARLOTTE
 L-35B
 IAP

11 B S4 FUEL 100LL, JET A1+ OX 1,2 LRA NOTAM FILE MRH

RWY 08-26: H4249X100 (ASPH) D-60 MIRL

RWY 08: Brush. RWY 26: Trees.

RWY 03-21: H4191X150 (ASPH) S-12.5 MIRL

RWY 03: REIL. PAPI(P2L)—GA 3.0°TCH 20'. Thld dspcd 186'. Road.

RWY 21: REIL. PAPI(P2L)—GA 3.0°TCH 24'. Trees.

RWY 14-32: H4001X100 (ASPH) S-12.5

RWY 14: Boat. RWY 32: Thld dspcd 490'. Trees.

AIRPORT REMARKS: Attended 1300Z±-dusk. For svc after hrs call 252-728-2323. Deer and birds on and invof arpt. Noise abatement procedures in effect. Rwy 08-26 is preferred rwy, wind and safety permitting. Avoid overflight of Beaufort Waterfront. Ctc arpt manager for further info 252-728-1928. ACTIVATE MIRL Rwy 03-21 and Rwy 08-26, PAPI Rwy 03 and Rwy 21, REIL Rwy 03 and Rwy 21—CTAF.

WEATHER DATA SOURCES: ASOS 135.375 (252) 728-2055.

COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ **CHERRY POINT APP/DEP CON** 124.1 CLNC DEL 125.65

RADIO AIDS TO NAVIGATION: NOTAM FILE ISO.

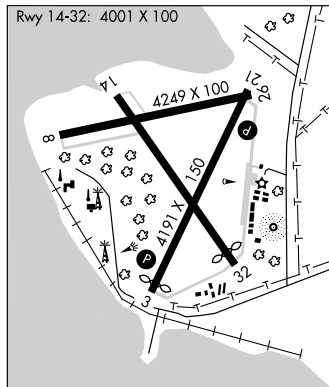
KINSTON (L) VORTAC 109.6 ISO Chan 33 N35°22.26'

W77°33.50' 136° 58.4 NM to fld. 106/05W.

MOREHEAD NDB (MHW) 269 MRH N34°43.87' W76°39.73'

at fld. NOTAM FILE MRH. NDB unmonitored.

ILS 108.5 I-BFO Rwy 26. Localizer only.



BILLY MITCHELL (See HATTERAS)

BLADENBORO (3W6) 0 E UTC-5(-4DT) N34°33.01' W78°46.98'

CHARLOTTE

115 NOTAM FILE RDU

RWY 02-20: 2850X135 (TURF)

RWY 02: Trees. RWY 20: Trees.

AIRPORT REMARKS: Unattended. Rwy 20 has 90' trees 100' from thld offset 30' right of centerline and 90' trees 250' from thld offset 100' left of centerline. 80' trees west edge of rwy thld to thld and 80' trees east edge of Rwy 02 from thld to 500'.

COMMUNICATIONS: CTAF 122.9

LOC I-BFO	APP CRS	Rwy Idg	4249
<u>108.5</u>	256°	TDZE	7
		Apt Elev	11

LOC RWY 26
BEAUFORT/MICHAEL J. SMITH FIELD (MRH)

T Circling to Rwy 14, 32 NA at night. ADF REQUIRED. Visibility reduction by helicopters NA. When local altimeter setting not received, use Cherry Point MCAS altimeter setting and increase all MDA 40 feet, and increase S-26 visibility Cat C ¼ mile. ATC clearance required to penetrate R-5306A and R-5306C.

MISSED APPROACH: Climb to 1000 then climbing left turn to 1600 direct MRH NDB and hold.

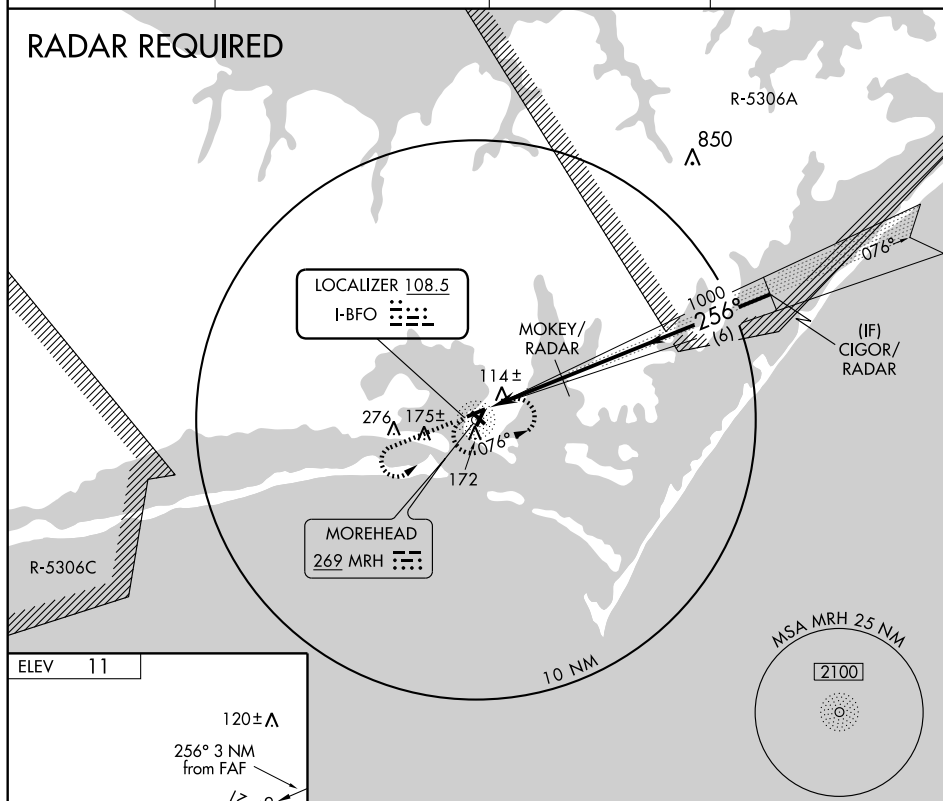
ASOS
135,375

MARINE CHERRY POINT APP CON
124.1 268.7

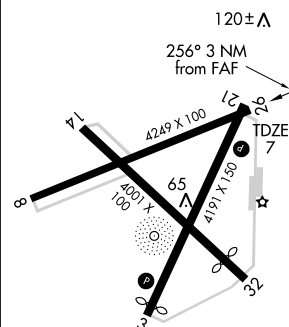
CHERRY POINT CLNC DEL
125.65

UNICOM
122.8 (CTAF)

RADAR REQUIRED



ELEV	11
------	----



REIL Rwy 3 and 21 **L**
MIRL Rwy 3-21 and 8-26 **L**

FAF to MAP 3 NM

Knots	60	90	120	150	180
Min:Sec	3:00	2:00	1:30	1:12	1:00

BEAUFORT, NORTH CAROLINA
Amdt 2 23SEP10

BEAUFORT/MICHAEL J. SMITH FIELD (MRH)

34° 44' N-76° 40' W

LOC RWY 26

SE-2. 21 OCT 2010 to 18 NOV 2010

NDB MRH 269	APP CRS 148°	Rwy Idg TDZE Apt Elev 4001 10 11
-----------------------	------------------------	--

NDB RWY 14

BEAUFORT/MICHAEL J. SMITH FIELD (MRH)

V If local altimeter setting not received, use Cherry Point MCAS altimeter setting and increase all MDAs 40 feet.
NA NOTE: ATC clearance required to penetrate R-5306A and R-5306C.

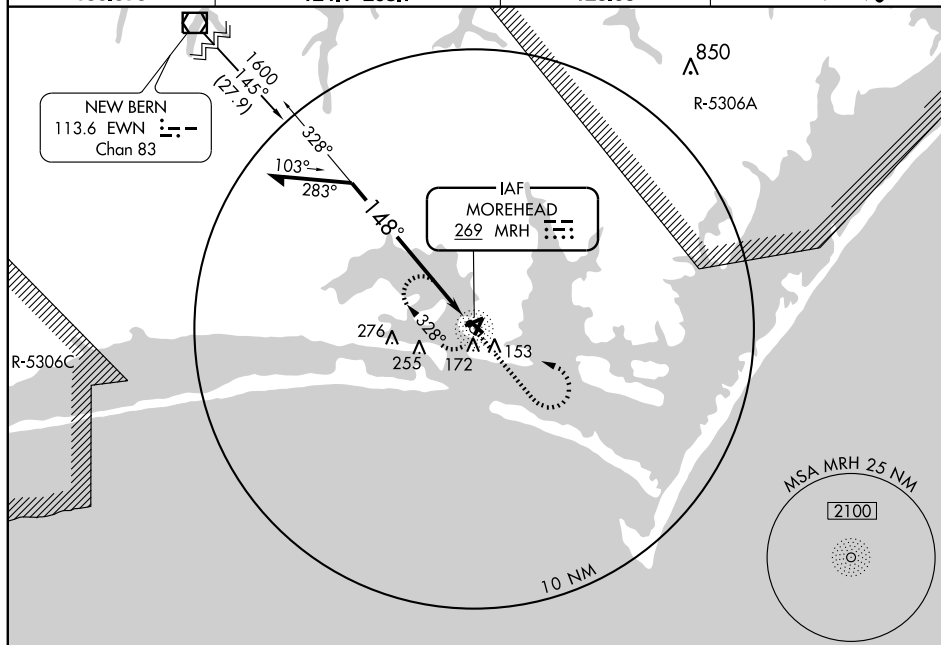
MISSED APPROACH: Climb to 1000 then climbing left turn to 1600 direct MRH NDB and hold.

ASOS
135.375

MARINE CHERRY POINT APP CON
124.1 268.7

CHERRY POINT CLNC DEL
125.65

UNICOM
122.8 (CTAF) 0



Remain
within 10 NM

1600

NDB

1000

1600

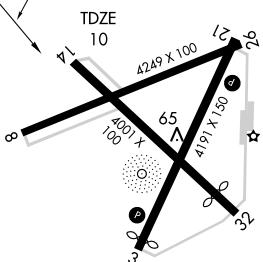
MRH

269

ELEV **11**

148° to
MRH NDB

120±Δ



CATEGORY	A	B	C	D
S-14	700-1 690 (700-1)		700-2 690 (700-2)	700-2 ¼ 690 (700-2 ¼)
CIRCLING	700-1 689 (700-1)		700-2 689 (700-2)	700-2 ¼ 689 (700-2 ¼)

REIL Rwy 3 and 21 **0**
MIRL Rwy 3-21 and 8-26 **0**

NDB MRH 269	APP CRS 219°	Rwy Idg TDZE Apt Elev	4191 10 11
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NDB RWY 21

BEAUFORT/MICHAEL J. SMITH FIELD (MRH)

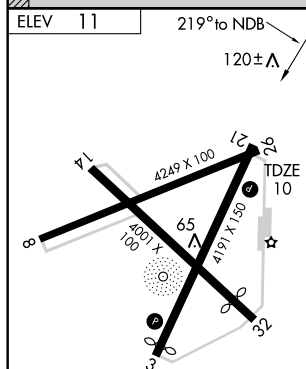
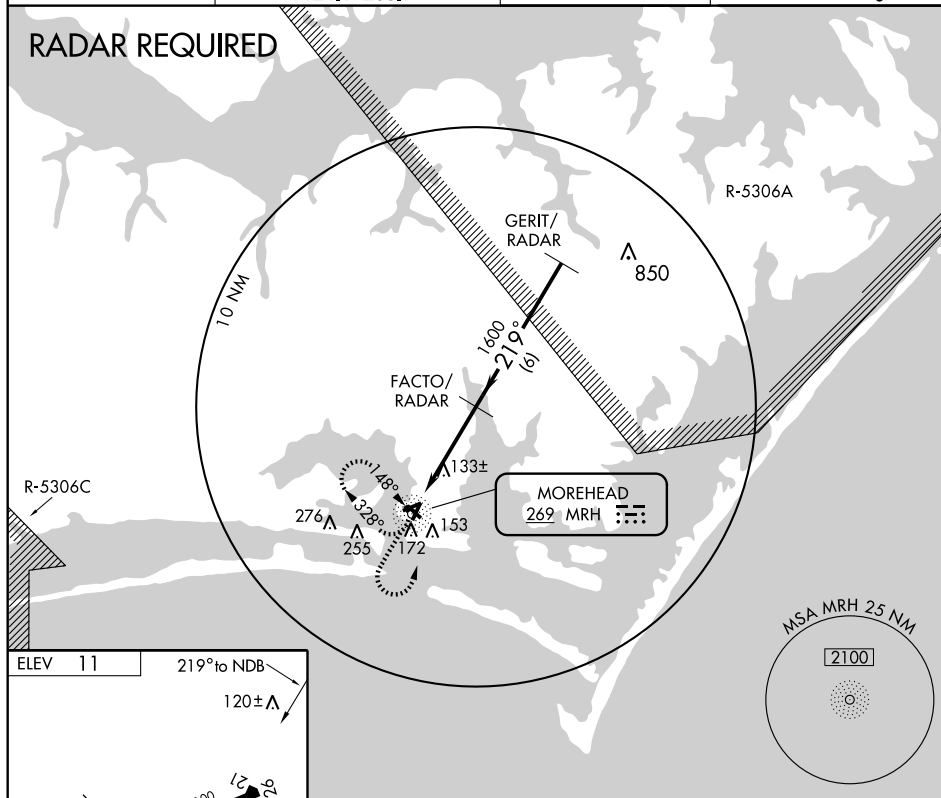


If local altimeter setting not received, use Cherry Point MCAS altimeter setting and increase all MDAs 40 feet.
NOTE: ATC clearance required to penetrate R-5306A and R-5306C. RADAR REQUIRED.

MISSED APPROACH: Climb to 1000 then climbing left turn to 1600 direct MRH NDB and hold.

ASOS 135.375	MARINE CHERRY POINT APP CON 124.1 268.7	CHERRY POINT CLNC DEL 125.65	UNICOM 122.8 (CTAF) 0
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RADAR REQUIRED



	1000	1600	MRH 269	
	↑	↶		
	NDB	FACTO/ RADAR	219°	GERIT/ RADAR
		1600		1600
		4 NM	6 NM	
CATEGORY	A	B	C	D
S-21	440-1	430 (500-1)	440-1¼ 430 (500-1¼)	440-1½ 430 (500-1½)
CIRCLING	540-1	529 (600-1)	540-1½ 529 (600-1½)	580-2 569 (600-2)

REIL Rwy 3 and 21
MRL Rwy 3-21 and 8-26

BEAUFORT, NORTH CAROLINA
Orig-B 10266

34° 44'N-76° 40'W

BEAUFORT/MICHAEL J. SMITH FIELD (MRH)

NDB RWY 21

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

APP CRS **033°**
Rwy Idg **4005**
TDZE **10**
Apt Elev **11**

RNAV (GPS) RWY 3

BEAUFORT/MICHAEL J. SMITH FIELD (MRH)



If local altimeter setting not received, use Cherry Point MCAS altimeter setting and increase all MDAs 40 feet. GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
NOTE: ATC clearance required to penetrate R-5306A and R-5306C.
Straight-in minimums NA at night. Circling NA at night to Rwy 3, 8 and 32.

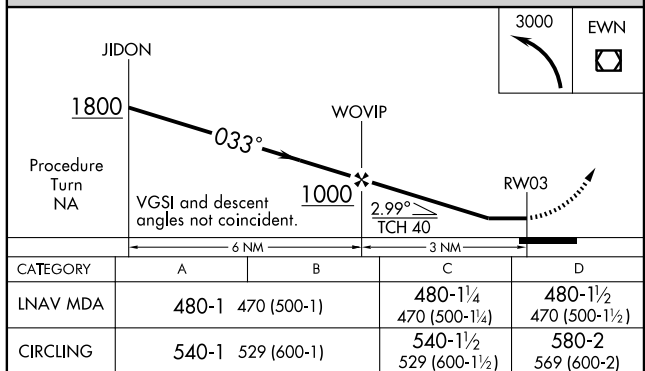
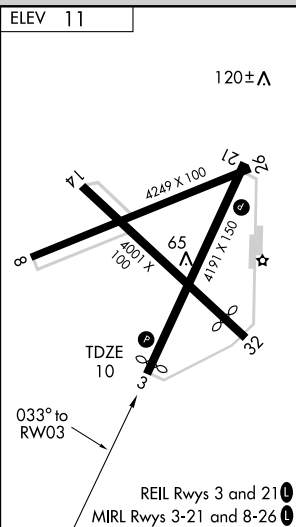
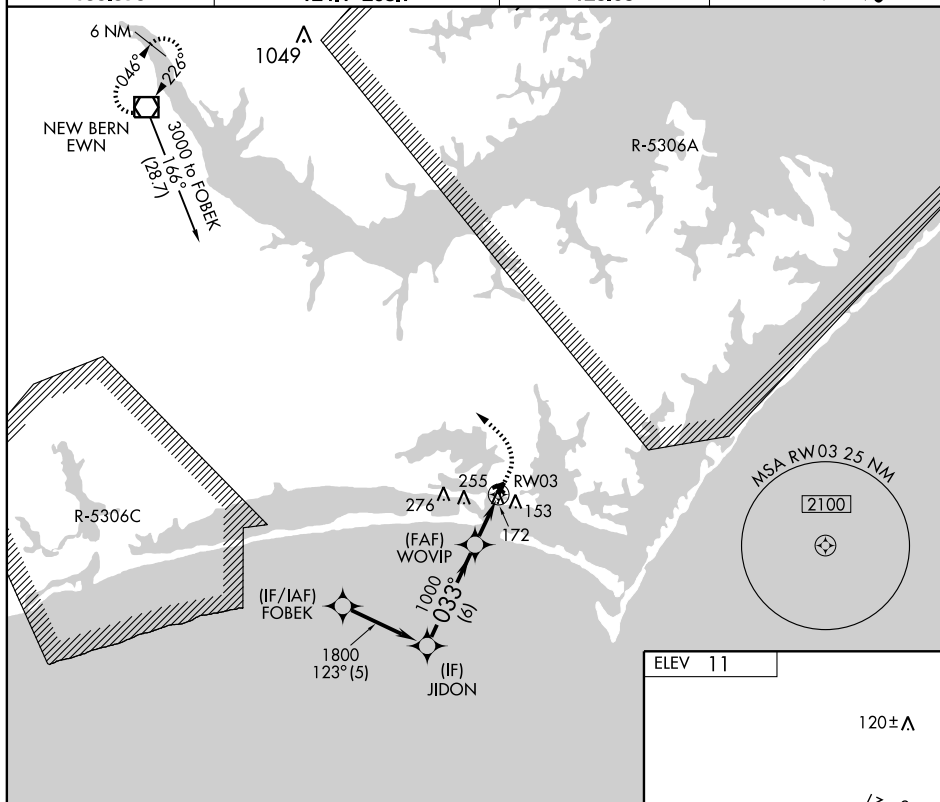
MISSED APPROACH: Climbing left turn to 3000 direct EWN VOR/DME and hold.

ASOS
135.375

MARINE CHERRY POINT APP CON
124.1 268.7

CHERRY POINT CLNC DEL
125.65

UNICOM
122.8 (CTAF) 0



APP CRS
076°

Rwy ldg **4249**
TDZE **10**
Apt Elev **11**

RNAV (GPS) RWY 8

BEAUFORT/MICHAEL J. SMITH FIELD (MRH)



If local altimeter setting not received, use Cherry Point MCAS altimeter setting and increase all MDAs 40 feet. GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
NOTE: ATC clearance required to penetrate R-5306A and R-5306C.
Straight-in minimums NA at night. Circling NA at night to Rwy 3, 8 and 32.

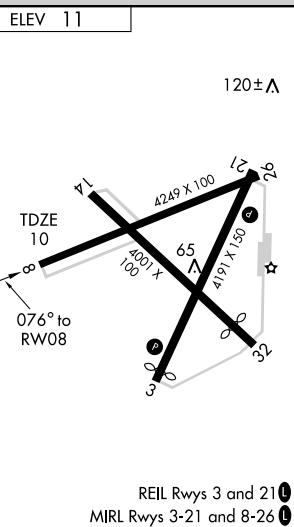
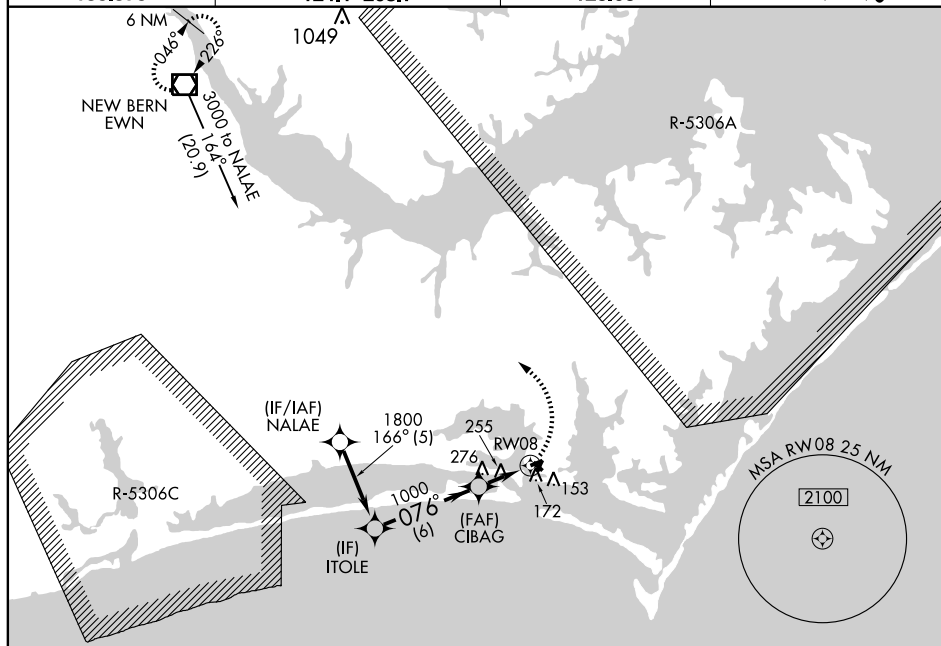
MISSED APPROACH: Climbing left turn to 3000 direct EWN VOR/DME and hold.

ASOS
135.375

MARINE CHERRY POINT APP CON
124.1 268.7

CHERRY POINT CLNC DEL
125.65

UNICOM
122.8 (CTAF) 0



	ITOLE		CIBAG		RW08	
	1800		1000		2.99° TCH 40	
Procedure Turn NA	076°		076°		076°	
	6 NM		3 NM			
CATEGORY	A	B	C	D		
LNNAV MDA	540-1	532 (600-1)	540-1½ 532 (600-1½)	540-1¾ 532 (600-1¾)		
CIRCLING	540-1	529 (600-1)	540-1½ 529 (600-1½)	580-2 569 (600-2)		

APP CRS **141°**
Rwy ldg **4001**
TDZE **10**
Apt Elev **11**

RNAV (GPS) RWY 14
BEAUFORT/MICHAEL J. SMITH FIELD (MRH)

▼ If local altimeter setting not received, use Cherry Point MCAS altimeter setting and increase all MDAs 40 feet.
▲ NA NOTE: ATC clearance required to penetrate R-5306A and R-5306C.
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2000 direct SEDUE WP and hold.

ASOS
135.375

MARINE CHERRY POINT APP CON
124.1 268.7

CHERRY POINT CLNC DEL
125.65

UNICOM
122.8 (CTAF) 0

(IAF)
NEW BERN
EWN

3100
(17.9)

ULVAQ

1600
(5.0)

(FAF)
ISUJU

141°

RW14

276

255

172

153

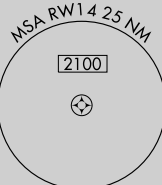
141°

32°

SEDUE

R-5306A
▲ 850

R-5306C



ELEV 11

2000

SEDUE

ULVAQ

3100

ISUJU

RW14

Procedure
Turn
NA

140°

1600

2.93°

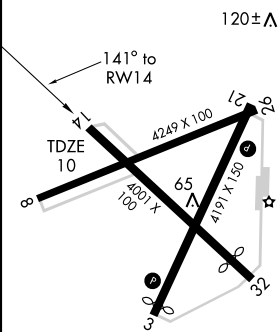
TCH 40

141°

5 NM

5 NM

CATEGORY	A	B	C	D
RNAV MDA	380-1 370 (400-1)			380-1¼ 370 (400-1¼)
CIRCLING	540-1 529 (600-1)	540-1½ 529 (600-1½)		580-2 569 (600-2)



REIL Rwy 3 and 21

MIRL Rwy 3-21 and 8-26

WAAS CH 72620 W21A	APP CRS 213°	Rwy Idg 4191 TDZE 9 Apt Elev 11
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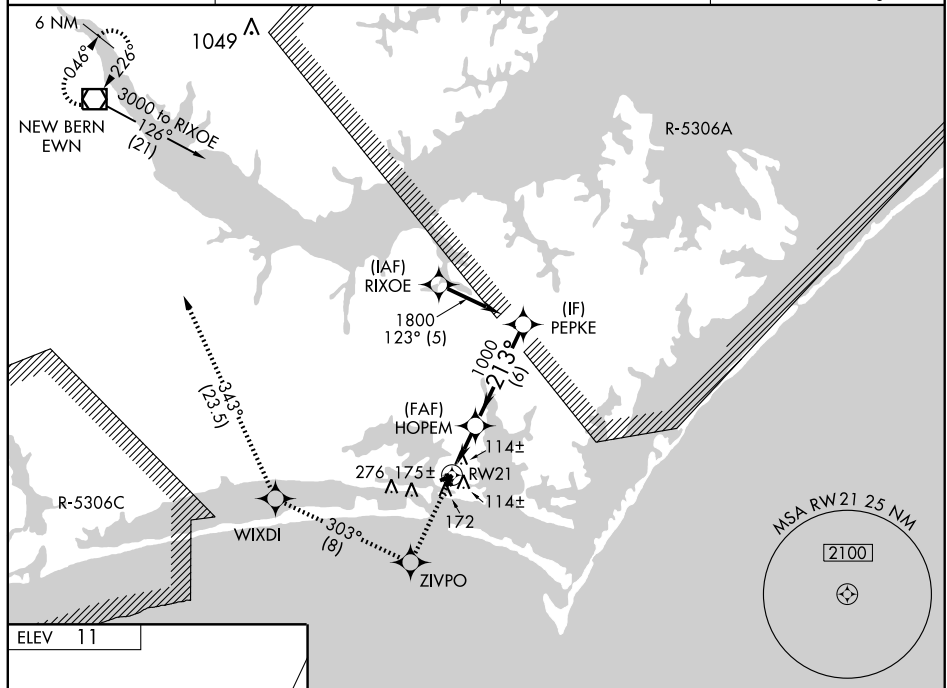
RNAV (GPS) RWY 21

BEAUFORT/MICHAEL J. SMITH FIELD (MRH)

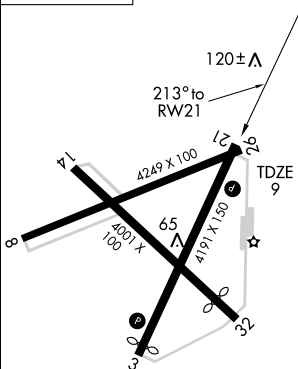
⚠ Circling to Rwy 14/32 NA at night. Baro-VNAV NA when using Cherry Point MCAS altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Cherry Point MCAS altimeter setting and increase all DA 37 feet and all MDA 40 feet, and increase LNAV visibility Cat C ¼ mile. ATC clearance required to penetrate R-5306A and R-5306C.

MISSED APPROACH: Climb to 3000 direct ZIVPO and right turn on track 303° to WIXDI and on track 343° to EWN VOR/DME and hold.

ASOS 135.375	MARINE CHERRY POINT APP CON 124.1 268.7	CHERRY POINT CLNC DEL 125.65	UNICOM 122.8 (CTAF) 0
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ELEV 11



REIL Rwy 3 and 21 **0**
MIRL Rwy 3-21 and 8-26 **0**

3000	ZIPVO	tr 303°	WIXDI	tr 343°	EWN	Procedure Turn NA
						PEPKE
						1800
						GS 3.00° TCH 58
						VGSI and RNAV glidepath not coincident
						2.9 NM
						6 NM
CATEGORY	A	B	C	D		
LPV DA	344-1¼ 335 (400-1¼)					
LNAV/VNAV DA	413-1½ 404 (500-1½)					
LNAV MDA	380-1 371 (400-1)					380-1¼ 371 (400-1¼)
CIRCLING	540-1 529 (600-1)		540-1½ 529 (600-1½)		580-2 569 (600-2)	

WAAS CH 78020 W26A	APP CRS 256°	Rwy Idg 4249 TDZE 7 Apt Elev 11
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RNAV (GPS) RWY 26

BEAUFORT/MICHAEL J. SMITH FIELD (MRH)


⚠ Circling to Rwy 14/32 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Cherry Point MCAS altimeter setting and increase all DA 37 feet and all MDA 40 feet. ATC clearance required to penetrate R-5306A and R-5306C. Baro-VNAV and VDP NA when using Cherry Point MCAS altimeter setting.

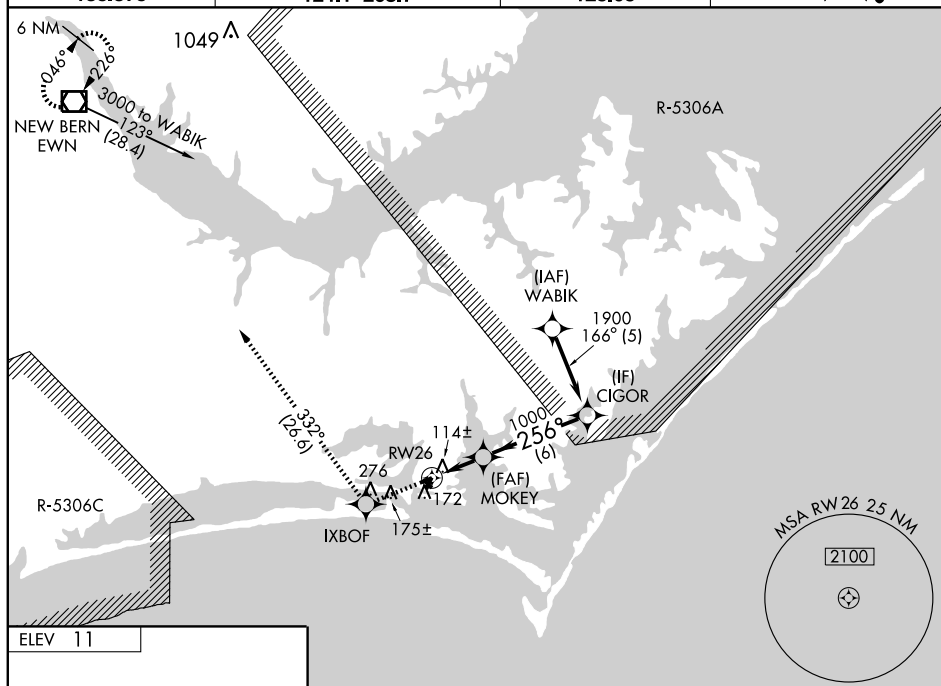
MISSED APPROACH:
Climb to 3000 direct
IXBOF and on track
332° to EWN VOR/
DME and hold.

135.375

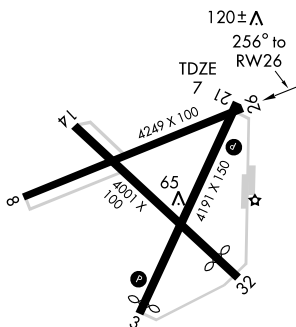
MARINE CHERRY POINT APP CON

CHERRY POINT CLNC DEL

UNICOM
122.8 (CTAF) 



ELEV 11



3000 ↑	IXBOF 	tr 332°	EWN 
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* LNAV Only

MOKEY

CIGOR

900

Procedure
Turn
NA
GS 3.00°
TCH 40

1.3 NM 1.7 NM 6 NM

CATEGORY	A	B	C	D
----------	---	---	---	---

LPV DA	257-1 250 (300-1)
--------	-------------------

LNAV/ VNAV	DA	413-1½ 406 (500-1½)
---------------	----	---------------------

VNAV	460-1 453 (500-1)		
LNAV MDA	460-1 453 (500-1)	460-1¼ 453 (500-1¼)	460-1½ 453 (500-1½)

CIRCLING	540-1 529 (600-1)	540-1½ 529 (600-1½)	580-2 569 (600-2)
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REIL Rwys 3 and 21 **L**
MIRL Rwys 3-21 and 8-26 **L**

BEAUFORT, NORTH CAROLINA

Amdt 1 23SEP10

BEAUFORT/MICHAEL J. SMITH FIELD (MRH)

34° 44'N-76° 40'W

RNAV (GPS) RWY 26

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy ldg	3511
321°	TDZE	10
	Apt Elev	11

RNAV (GPS) RWY 32

BEAUFORT/MICHAEL J. SMITH FIELD (MRH)



If local altimeter setting not received, use Cherry Point MCAS altimeter setting and increase all MDAs 40 feet. GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
 NOTE: ATC clearance required to penetrate R-5306A and R-5306C.
 Circling NA at night to Rwy 3, 8 and 32. VDP NA with Cherry Point MCAS altimeter setting. Straight-in minimums NA at night.

MISSED APPROACH: Climb to 3000 direct EWN VOR/DME and hold.

ASOS**135.375**

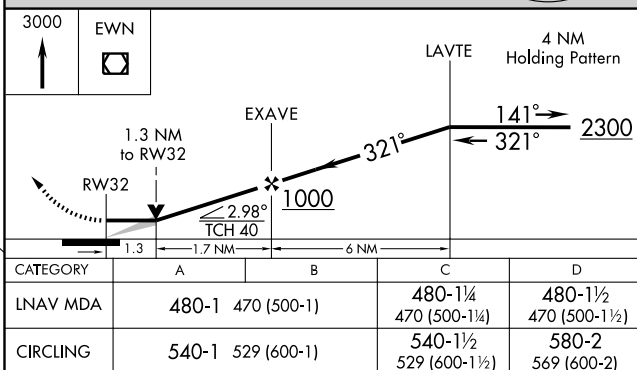
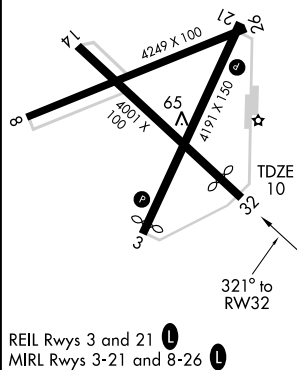
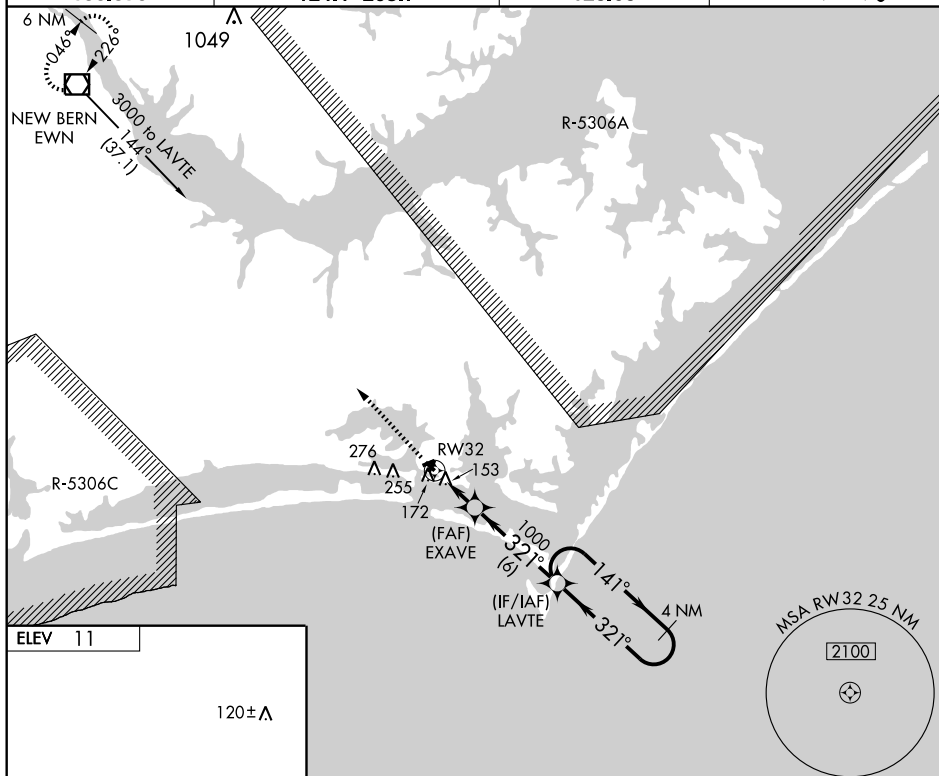
MARINE CHERRY POINT APP CON

124.1 268.7

CHERRY POINT CLNC DEL

125.65

UNICOM

122.8 (CTAF) 0

BOGUE MCALF (NJM) MC 4 E UTC-5(-4DT) N34°41.43' W77°01.78'

CHARLOTTE

21 B TPA—See Remarks NOTAM FILE RDU Not insp.

L-35B

RWY 05-23: 3997X96 (PSP) S-57, D-150, 2S-175 HIRL CL

DIAP

RWY 05: MALSF. OLS. TDZL. RWY 23: MALSF. OLS. TDZL.

ARRESTING GEAR/SYSTEM

RWY 05 M21(B) (660')

M21(B) (652') RWY 23

MILITARY SERVICE: LGT Rwy 05 and 23 apch lgt NSTD. Apch lgt have 10 bars 100 ft apart, first 5 bars have strobe lgt in center. **A-GEAR** All non-emerg full stop lgt by tail hook acft are arrested and rqr Ldg Signal Officer (LSO).LSO avbl with 24 hr notice. **FUEL J5 FLUID SP TRAN ALERT** No hangar, acft svc or tran maintenance avbl.

Hot refueling rqr qualified crew member present to assist.

MILITARY REMARKS: Opr hrs published by 2nd Marine Air Wing. Ctc Air OPS req schedule/usage DSN 582-0674, C252-466-0674. See FLIP AP/1 Supplementary Arpt Remarks. **CAUTION** All rwy and twy sfc consist of AM-2 aluminum matting coated with non-skid all wx sfc, braking action good, runway condition reading 19-25. **TFC PAT** Left tfc Rwy 05, TPA-1000(979) 1½ NM abeam and outside White Oak Elementary School, Rwy 23 1000(979) 1½ NM abeam. **MISC** Vertical tkf of AV8 acft from Confined Area Landing (CAL) sites located 800' SE of apch end Rwy 23.**COMMUNICATIONS: SFA CTAF** 126.45**CHERRY POINT APP/DEP CON** 119.35 377.175 (W) 124.1 268.7 (E)**TOWER** 126.45 256.875 (opr hrs published by 2nd Marine Air Wing, ctc Air Ops request schedule/usage DSN 582-0674 C252-466-0674) **GND CON** 262.6 **CLNC DEL** 262.6 **GCA** 328.4**PMSV METRO** 344.6 (Radar wx advisory svc less than continuous, by special req.)**AIRSPACE: CLASS D** svc opr hrs published by 2nd Marine Air Wing, ctc Air Ops request schedule/usage DSN 582-0674 C252-466-0674 other times CLASS G.**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.**CHERRY POINT MCAS (L) TACAN** Chan 75 NKT (112.8) N34°54.13' W76°52.49' 220° 14.8 NM to fld. 28/9W.**COMM/NAV/WEATHER REMARKS:** Radar see Terminal FLIP for Radar Minima. Radar svc avbl by PPR only, during scheduled fld hrs, ctc twr DSN 582-0697, C252-466-0697 for PPR.**BOONE TNB** N36°11.93' W81°39.09'/3038.

CHARLOTTE

AWOS-3 118.525 (828) 268-8921

L-25C

BROAD RIVER N35°16.37' W82°28.26' NOTAM FILE AVL.

ATLANTA

NDB (HW) 379 BRA 344° 10.4 NM to Asheville Rgnl.

L-25C

BRUNSWICK CO (See OAK ISLAND)**BURLINGTON-ALAMANCE RGNL** (BUY) 3 SW UTC-5(-4DT) N36°02.91' W79°28.49'

CINCINNATI

617 B S4 **FUEL** 100LL, JET A1+ OX 3 NOTAM FILE BUY

L-25E, 36F

RWY 06-24: H4999X99 (ASPH) S-30, D-36, 2D-57 HIRL 0.6% up SW

IAP

RWY 06: REIL. PAPI(P4L)—GA 3.0° TCH 45'. Trees.

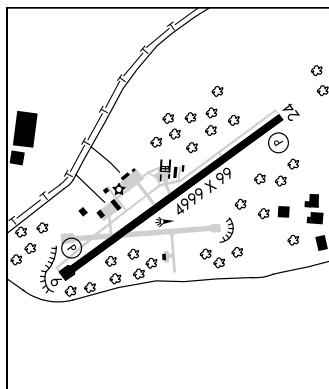
RWY 24: REIL. PAPI(P2L)—GA 3.0° TCH 27'. Trees.

AIRPORT REMARKS: Attended 1300-0100Z+. **CLOSED** Christmas day.After hrs fuel or emergency only 919-667-3293. PAEW SE Rwy 06-24 SR-SS Mon-Fri; crane located SE Rwy 24. Deer and water-fowl invov arpt. Rwy 06, 15' drop off 50' fm thld 220' left of centerline. PAPI Rwy 06 and Rwy 24 opr continuously. **ACTIVATE** REIL Rwy 06 and Rwy 24—CTAF. HIRL Rwy 06-24 on dusk-dawn, to change ints—CTAF.**WEATHER DATA SOURCES:** ASOS 135.325 (336)570-9813.**COMMUNICATIONS: CTAF/UNICOM** 122.975**RCO** 122.1R 116.2T (RALEIGH RADIO)**GREENSBORO APP/DEP CON** 118.5 **CLNC DEL** 120.25**RADIO AIDS TO NAVIGATION:** NOTAM FILE BUY.**LIBERTY (L) VORTAC** 113.0 LIB Chan 77 N35°48.70'

W79°36.76' 028° 15.7 NM to fld. 830/03W. NOTAM FILE RDU.

HIMUN NDB(MHW/LOM) 361 HB N35°58.69' W79°35.08'

044° 6.8 NM to fld. NOTAM FILE BUY.

ILS 111.35 I-HBJ Rwy 06. LOM HIMUN NDB. Unmonitored.**CAMP** N34°16.31' W78°42.84' NOTAM FILE RDU.

CHARLOTTE

NDB (MHW) 227 CPC at Columbus Co Muni.

L-35A

Unmonitored Mon-Sat 2300-1300Z+ and Sun 2300-1400Z+.

APP CRS 240°	Rwy Idg TDZE Apt Elev	4999 609 616
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GPS RWY 24

BURLINGTON-ALAMANCE RGNL (BUY)

NA Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 1600 then climbing right turn to 3000 direct OPNOW WP and hold.

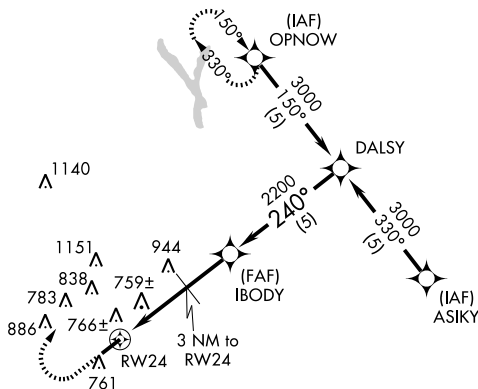
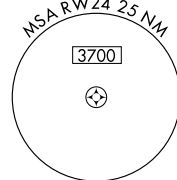
ASOS
135.325

GREENSBORO APP CON
118.5 327.075

CLNC DEL
120.25

UNICOM
122.975 (CTAF) 0

REIDE
3000
128°
(11.2)



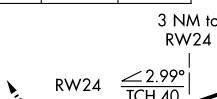
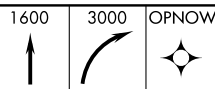
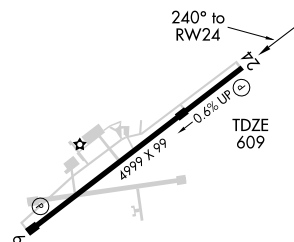
ELEV 616

A 1846

Procedure NA for arrivals at CHAPL
via V45-310 eastbound.

A 2049

3000 to ASI KY
320°
(15.2)
CHAPL



Procedure Turn NA
VGSI and descent angles not coincident.

CATEGORY	A	B	C	D
S-24	1020-1 411 (500-1)	1020-1¼ 411 (500-1¼)		
CIRCLING	1100-1 484 (500-1)	1100-1½ 484 (500-1½)	1300-2¼ 684 (700-2¼)	

HIRL Rwy 6-24 0
REIL Rwy 6 and 24 0

BURLINGTON, NORTH CAROLINA

Amdt 1B 09127

36°03'N - 79°28'W

BURLINGTON-ALAMANCE RGNL (BUY)

GPS RWY 24

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

LOC I-HBJ	APP CRS	Rwy Idg	4999
<u>111.35</u>	060°	TDZE	616
		Apt Elev	616

ILS or LOC/NDB RWY 6
BURLINGTON-ALAMANCE RGNL (BUY)

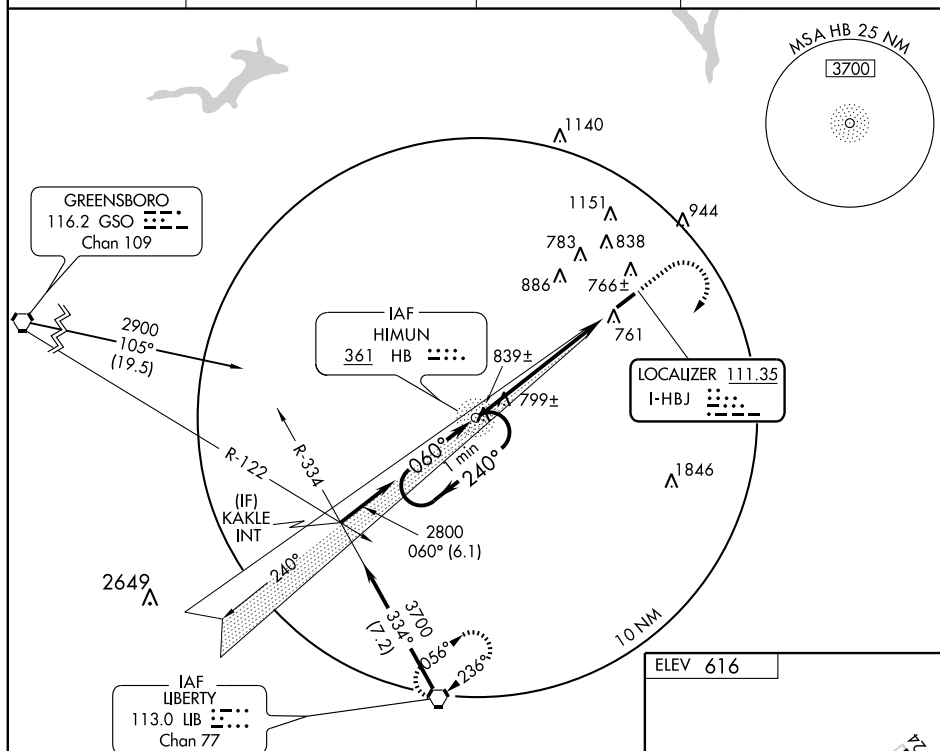
T When local altimeter setting not received, use Greensboro altimeter
A NA setting and increase S-ILS 6 DA 96 feet and all MDA 100 feet and
S-ILS 6 all Cats., S-LOC 6 Cat. C/D, and Circling Cat. D visibilities $\frac{1}{4}$ mile.

MISSED APPROACH: Climb to 1600 then climbing right turn to 3000 direct LIB VORTAC and hold.

ASOS
135.325

GREENSBORO APP CON
118.5 327.075

CLNC DE
120.25

UNICOM
122.975 (CTAF) **L**

ELEV 616

One Minute Holding Pattern

NDB

2741

1600

3000

LIP

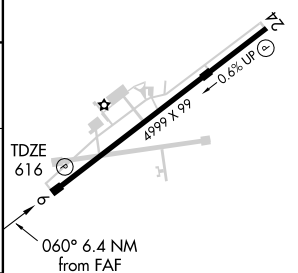
1100

1

0-1½

-2 ¼

BURLIN

HIRI Rwy 6-24

REIL Rwy 6 and 24 (L)

FAF to MAP 6.4 NM

Knots	60	90	120	150	180
Min:Sec	6:24	4:16	3:12	2:34	2:08

BURLINGTON, NORTH CAROLINA

Amdt 1 09239

36°03'N - 79°28'W

BURLINGTON-ALAMANCE RGNL (BUY)
ILS or LOC/NDB RWY 6

SE-2. 21 OCT 2010 to 18 NOV 2010

WAAS CH 42911 W06A	APP CRS 060°	Rwy Idg 4999 TDZE 616 Apt Elev 616
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RNAV (GPS) RWY 6
BURLINGTON-ALAMANCE RGNL (BUY)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP -0.3 NA. When local altimeter setting not received, Use Greensboro altimeter setting and increase all DA 96 feet and all MDA 100 feet and LPV all Cats., LNAV/VNAV all Cats., LNAV Cat. C, and Circling Cat. D visibilities ¼ mile and LNAV Cat. D visibility ½ mile. Baro-VNAV and VDP NA when using Greensboro altimeter setting.

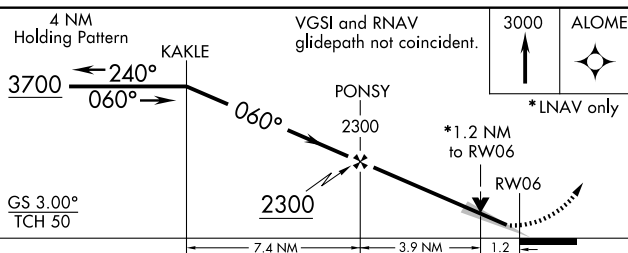
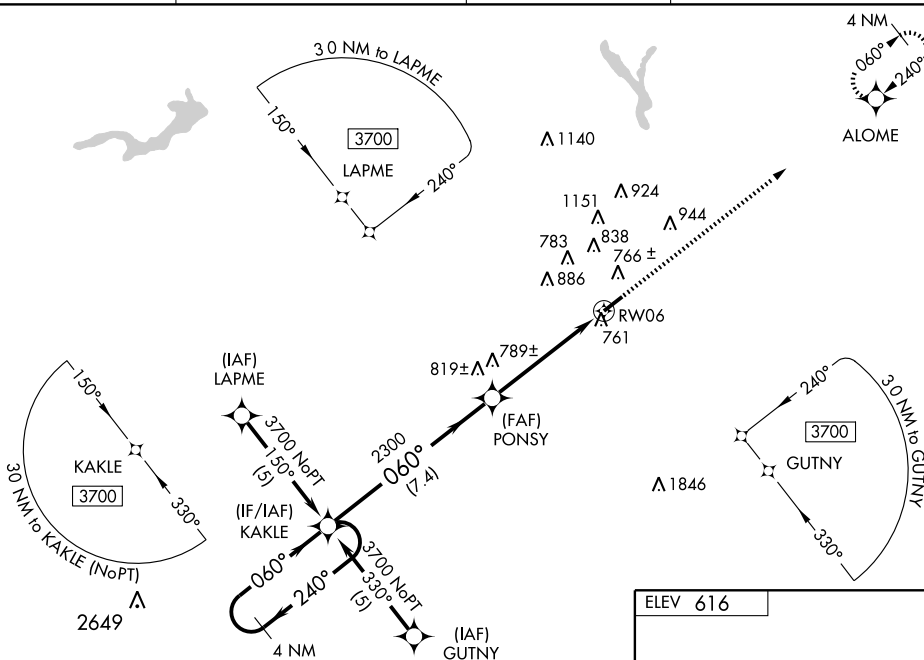
MISSED APPROACH: Climb to 3000 direct ALOME and hold.

ASOS
135.325

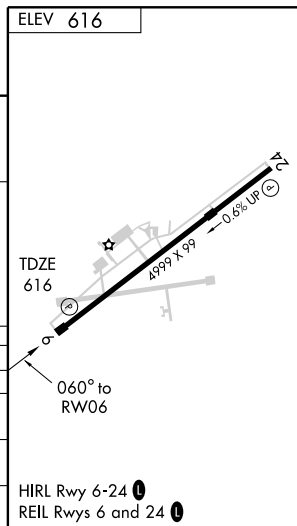
GREENSBORO APP CON
118.5 327.075

CLNC DE
120.25

UNICOM
122.975 (CTAF)



CATEGORY	A	B	C	D
LPV DA	816- $\frac{3}{4}$		200 (200- $\frac{3}{4}$)	
LNAV/ VNAV DA	1031-1 $\frac{1}{2}$		415 (500-1 $\frac{1}{2}$)	
LNAV MDA	1040-1 424 (500-1)		1040-1 $\frac{1}{4}$	424 (500-1 $\frac{1}{4}$)
CIRCLING	1100-1 484 (500-1)		1100-1 $\frac{1}{2}$ 484 (500-1 $\frac{1}{2}$)	1300-2 $\frac{1}{4}$ 684 (700-2 $\frac{1}{4}$)



VORTAC LIB 113.0 Chan 77	APP CRS 209°	Rwy Idg TDZE Apt Elev	N/A N/A 617
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VOR/DME-A
BURLINGTON-ALAMANCE RGNL (BUY)

T
A NA

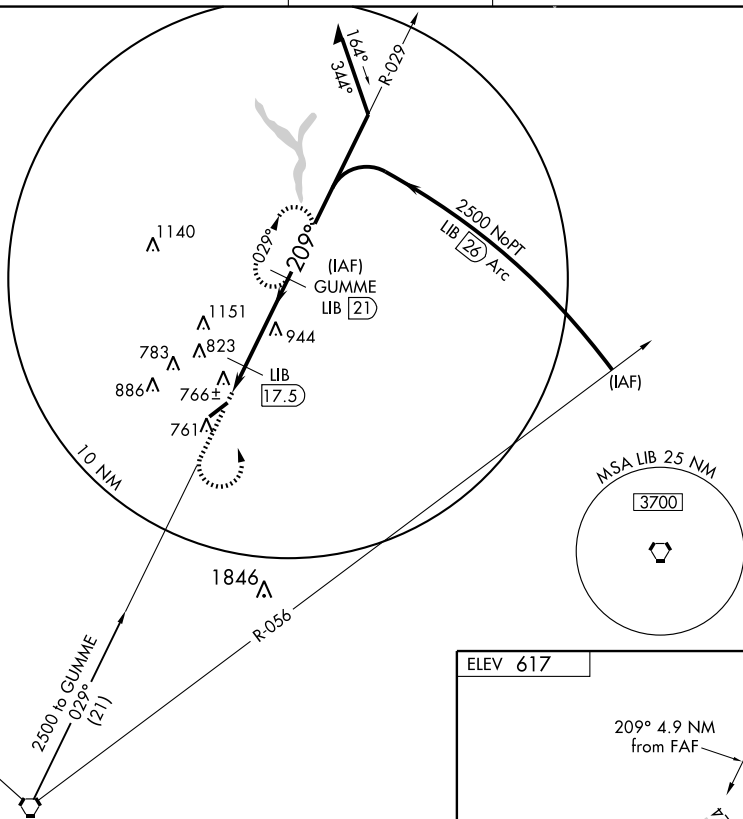
MISSED APPROACH: Climb to 1400 then climbing left turn to 2500 via heading 350° and LIB R-029 to GUMME/21 DME and hold.

ASOS
135.325

GREENSBORO APP CON
118.5 327.075

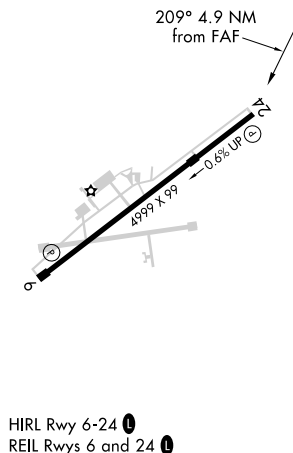
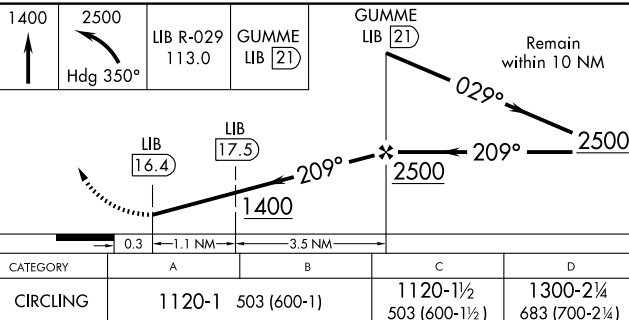
CLNC DEL
120.25

UNICOM
122.975 (CTAF) **L**



LIBERTY
113.0 LIB ::
Chan 77

ELEV 617



BURLINGTON, NORTH CAROLINA
Amdt 1 08325

36°03'N - 79°28'W

BURLINGTON-ALAMANCE RGNL (BUY)
VOR/DME-A

SE-2. 21 OCT 2010 to 18 NOV 2010

MACKALL AAF (HFF) A 1 E UTC-5(-4DT) N35°02.20' W79°29.84'

CHARLOTTE

376 B NOTAM FILE RDU Not insp.

L-35A, 36F

RWY 04-22: H4997X150 (ASPH) PCN 32 F/B/W/T

DIAP

RWY 16-34: H4916X150 (CONC)

RWY 11-29: H4740X150 (CONC) PCN 10 R/D/W/T HIRL

RWY 11: REIL. Thld dspcd 501'. **RWY 29:** REIL.

MILITARY SERVICE: LGT Rwy lgts intermittent between SR/SS due to local night vision training, non-participating acft ctc twr to incr ints. **FUEL** J8

MILITARY REMARKS: Opr Mon-Sat 1310-0500Z†. Except holidays. Airfield subject to closing on short notice. See FLIP AP/1 flight hazard Sandhills VORTAC. **RSTD** All C-130 PPR phone C(919) 396-6230/V236-6230. Twy D ltd to ACN 32 R/B/X/T. Rwy 16-34 CLOSED until further notice. Rwy 11-29 CLOSED until further notice. Closed to all fixe wing. **CAUTION** Extensive military acft in vicinity of airfield, day and night. 120' communication antenna located WSW corner of fire station. Advisory: Rng Ctl 121.0, 304.6. **MISC** Contact twr chief DSN 236-7308/9775 during opr hours, other times DSN 236-7804. No engine will be shutdown on Rwy 04-22 or Twy H. Weather forecast avbl from Simmons AAF via direct line.

COMMUNICATIONS: ATIS 141.4

FAYETTEVILLE APP/DEP CON 127.8 343.725

TOWER 121.0 254.4 (Mon-Sat 1310-0500Z†), except Federal holidays **GND CON** 128.35 251.05 41.75

PMSV METRO 141.25 265.6 (Mon 0500Z†-Sat 0400Z†)

BASE OPS 395.225 **RANGE RDO** 139.35 249.9 38.9

AIRSPACE: CLASS D svc Mon-Sat 1310-0500Z†, except Federal holidays, other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

SANDHILLS (L) VORTAC 111.8 SDZ Chan 55 N35°12.93' W79°35.28' 160° 11.6 NM to field. 590/03W.

NDB (MHW) 278 HFF N35°01.68' W79°29.14' at fld. Unmonitored 0500-1300Z†. No NOTAM MP 1st Tue 0400-1200Z†.

MACON CO (See FRANKLIN)

MAIDEN

LANEYS (N92) 3 SE UTC-5(-4DT) N35°34.46' W81°07.04'

CHARLOTTE

1025 NOTAM FILE RDU

RWY 13-31: 2400X75 (TURF)

RWY 05-23: 2000X100 (TURF)

RWY 05: P-line. **RWY 23:** P-line.

AIRPORT REMARKS: Attended 1300-dusk. Ultralight acft opr on and invof arpt. Rwy 05, Rwy 23 and Rwy 31 has unmarked p-lines across rwy thlds. Rwy 05 and Rwy 13 for preferred landing (uphill). Rwy 13 has no line of site from rwy end.

COMMUNICATIONS: CTAF/UNICOM 122.8

MANTED N35°54.92' W75°41.70' NOTAM FILE MQI.

CHARLOTTE

NDB (MHW) 370 MQI at Dare Co. Rgnl. Unmonitored 2300-1300Z†.

L-35D

NDB HFF 278	APCH CRS 115°	Rwy Idg 4239 TDZE 375 Arpt Elev 376
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AL-6315 [USA]

MACKALL AAF (HFF)



Procedure not authorized at night when tower closed.
When local altimeter setting not available, use SIMMONS
AAF altimeter setting and increase all MDA's 120 feet.

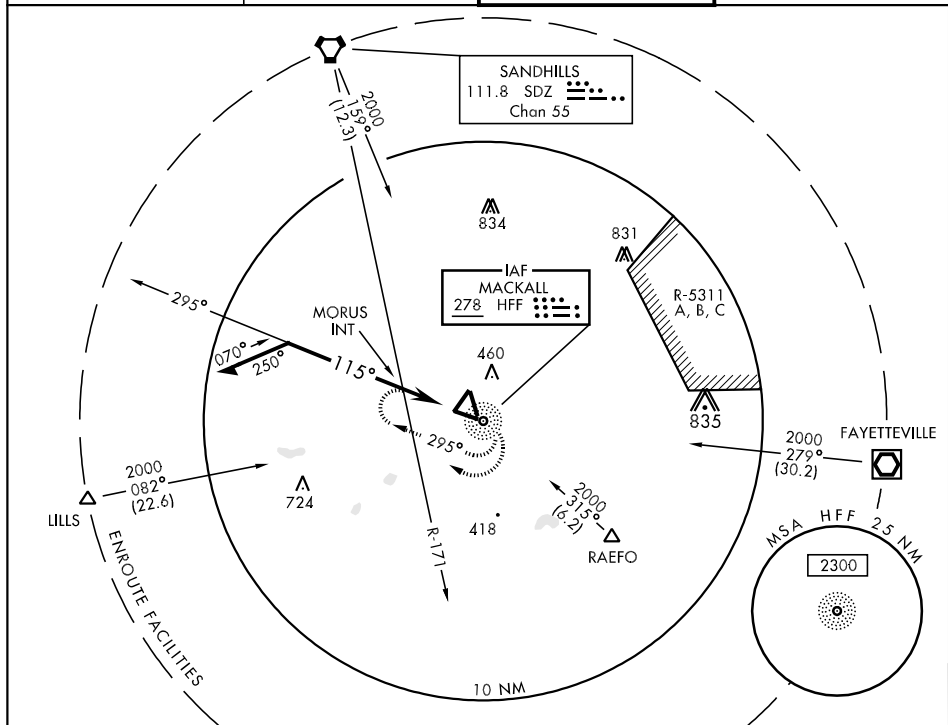
MISSED APPROACH: Climbing right turn to 2000 in
HFF NDB holding pattern.

ATIS
141.4

FAYETTEVILLE APP CON
127.8 343.725

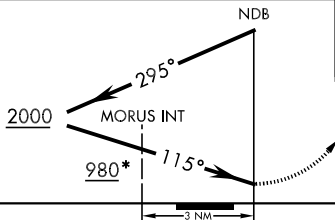
MACKALL TOWER ★
121.0 254.4

GND CON
41.75 251.05



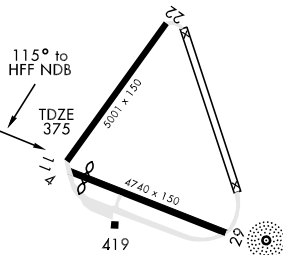
* 1100 when using
Simmons AAF
altimeter setting

Remain
within 10 NM



ELEV 376

Rwy 11 Idg 4239'



CATEGORY	A	B	C	D
S-11	980-1	605 (700-1)	980-1 3/4 605 (700-1 3/4)	980-2 605 (700-2)
CIRCLING	980-1	604 (700-1)	980-1 3/4 604 (700-1 3/4)	980-2 604 (700-2)
NDB/VOR MINIMUMS				
S-11	860-1	485 (500-1)	860-1 1/4 485 (500-1 1/4)	860-1 1/2 485 (500-1 1/2)
CIRCLING	860-1	484 (500-1)	860-1 1/2 484 (500-1 1/2)	940-2 564 (600-2)

CANDLER

MEYERS HELIPORT (N39) 4 S UTC-5(-4DT) N35°30.37' W082°44.05'

ATLANTA

2350 NOTAM FILE RDU

HELIPAD H1: 80X40 (CONC)

HELIPORT REMARKS: Unattended.

COMMUNICATIONS: CTAF 122.9

CAROLINA BEACH N34°06.38' W77°57.68' NOTAM FILE RDU.

CHARLOTTE

NDB (HW) 216 CLB 022° 10 NM to Wilmington Intl.

H-9C, L-23A, 35A

Unmonitored when Wilmington twr closed.

CASWELL (See YANCEYVILLE)

CAUSEY (See LIBERTY)

CHAPEL HILL

HORACE WILLIAMS (IGX) 1 N UTC-5(-4DT) N35°56.10' W79°03.96'

CHARLOTTE

512 B FUEL 100LL, JET A+ NOTAM FILE IGX

L-36F

Rwy 09-27: H4005X75 (ASPH) S-12.5 MIRL 0.6% up W

IAP

Rwy 09: REIL. PAPI(P4L)—GA 4.0° TCH 21'. Trees.

Rwy 27: REIL. PAPI(P4L)—GA 4.0° TCH 23'. Trees. Thld dsplcd 730'. Rgt tfc.

AIRPORT REMARKS: Attended Mon-Fri 1300-0200Z†, Sat-Sun 1400-0200Z†. Arpt unattended Christmas and New Years day. Arpt CLOSED to pure Jet powered aircraft, except for university users transporting persons on official university business which must call arpt manager 919-962-1337 for instructions. Arpt CLOSED to acft 12,500 lbs or greater, gliders, balloons, miniature acft, ultralights and parachute jumping activity. Deer on and in vicinity of arpt. No recreational or training flights from 0200-1100Z†; Clsd to transient acft ops 0200-1100Z† except acft on university or hospital business, all transient acft must have 24 hr PPR call arpt manager 919-962-1337. Parallel turf taxiway unusable. Rwy 09 has a 60' dropoff 200' from thld left and right of centerline in rwy safety area. Be alert for rough turf areas marked with tires painted white. No practice apchs/lgds without prior permission call 919-962-1337. Rwy 09-27 dsplcd thld unlgtd; 3495 ft useable at ngt. Rwy 27 has 200 ft overrun. Rwy 27 rgt tfc pattern only maintain 2000' AGL. ACTIVATE MIRL Rwy 09-27 and REIL Rwy 09 and Rwy 27—CTAF.

WEATHER DATA SOURCES: ASOS 134.575 (919) 942-2538.

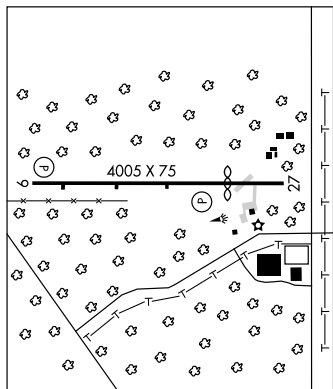
COMMUNICATIONS: CTAF/UNICOM 123.0

Ⓡ **RALEIGH APP/DEP CON** 132.35 **CLNC DEL** 126.5

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

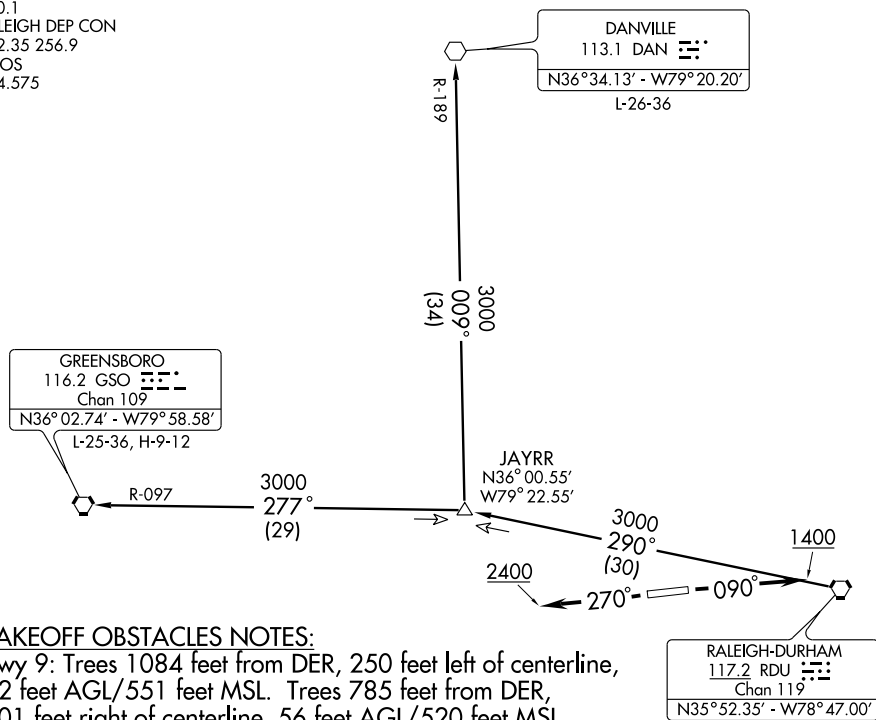
RALEIGH/DURHAM (H) VORTACW 117.2 RDU Chan 119 N35°52.35' W78°47.00' 289° 14.3 NM to fld.

429/04W.



BLUE DEVIL FOUR DEPARTURE

RALEIGH CLNC DEL
120.1
RALEIGH DEP CON
132.35 256.9
ASOS
134.575



TAKEOFF OBSTACLES NOTES:

Rwy 9: Trees 1084 feet from DER, 250 feet left of centerline, 82 feet AGL/551 feet MSL. Trees 785 feet from DER, 401 feet right of centerline, 56 feet AGL/520 feet MSL.

Rwy 27: Trees 200 feet from DER, 240 feet left of centerline, 43 feet AGL/542 feet MSL.

TAKEOFF MINIMUMS:

Rwys 9, 27, STANDARD

NOTE: Turbojets not authorized.

NOTE: Radar Required.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 9: Climb heading 090° to 1400, thence....

TAKE-OFF RWY 27: Climb heading 270° to 2400, thence....

....or as assigned for vectors to assigned transition. Expect clearance to filed altitude/flight level ten minutes after departure.

DANVILLE TRANSITION (BLUE4.DAN): From over RDU VORTAC via RDU R-290 to JAYRR INT then via DAN R-189 to DAN VOR.

GREENSBORO TRANSITION (BLUE4.GSO): From over RDU VORTAC via RDU R-290 to JAYRR INT then via GSO R-097 to GSO VORTAC.

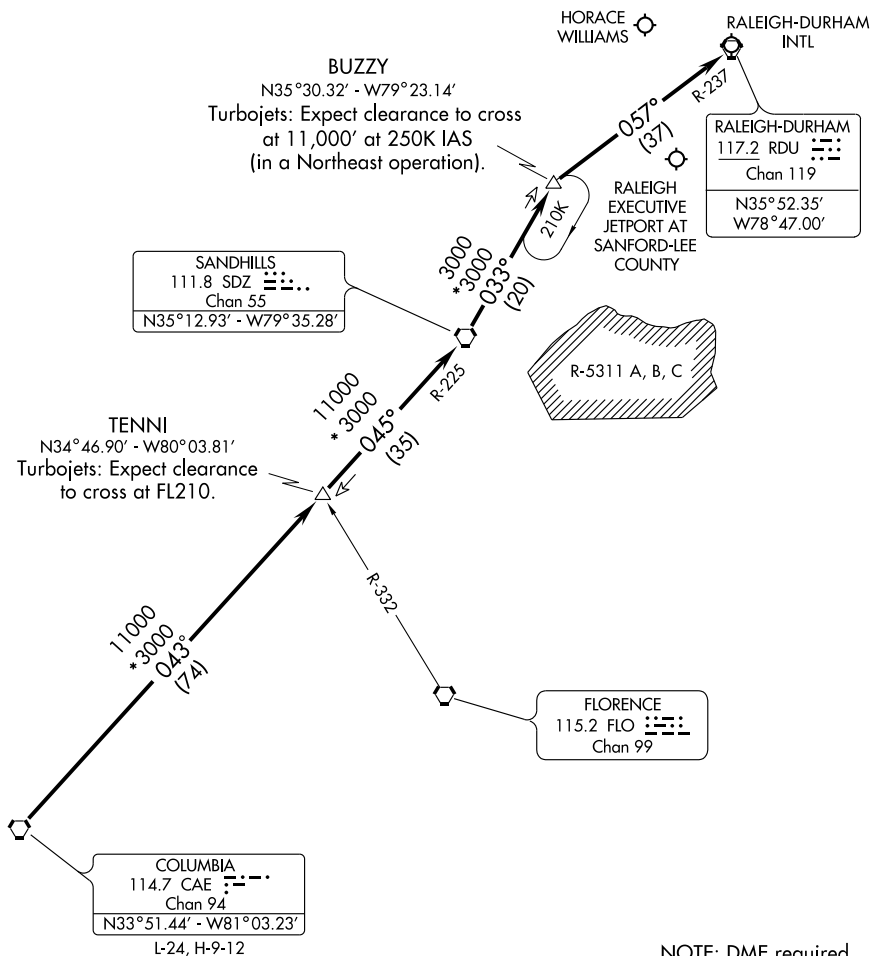
BUZZY SIX ARRIVAL

RALEIGH/DURHAM, NORTH CAROLINA

RALEIGH APP CON
128.3 307.9
RALEIGH-DURHAM ATIS
123.8

PERSON COUNTY

HENDERSON-
OXFORD



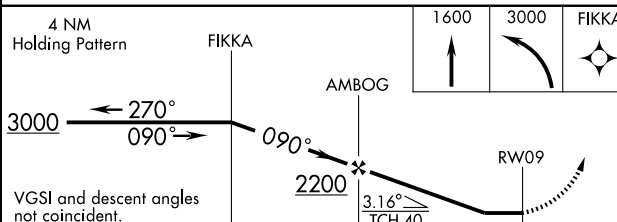
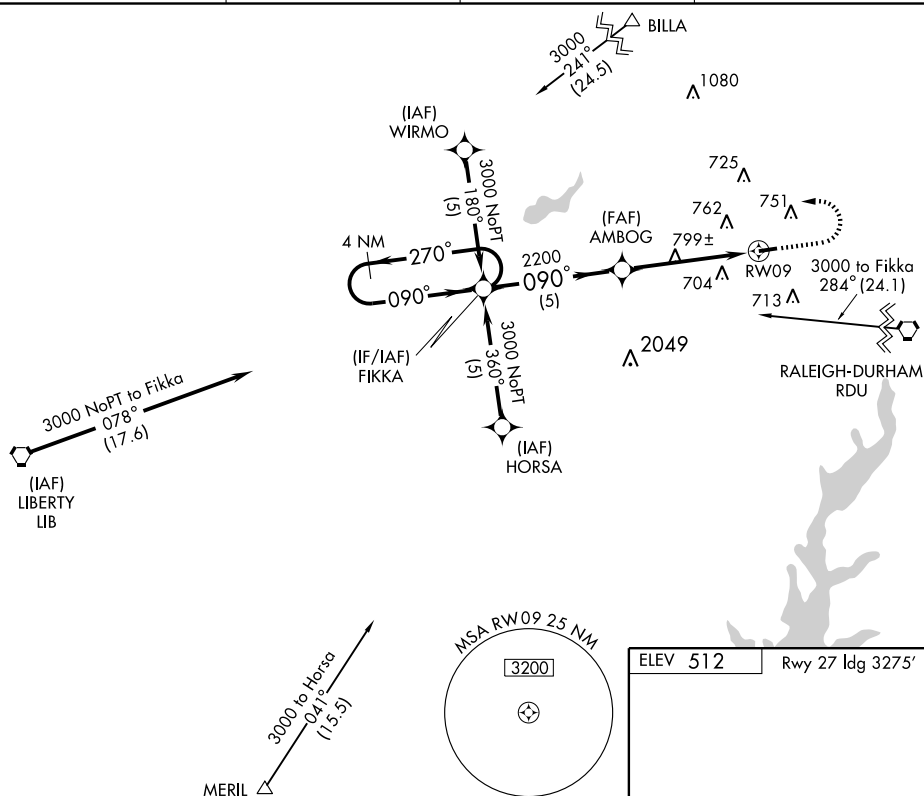
From over Columbia (CAE) via CAE R-043 and Sandhills (SDZ) R-225 to SDZ.
Thence via SDZ R-033 to BUZZY INT. Thence via Raleigh-Durham (RDU)
R-237 to RDU. Expect radar vectors to final approach course after BUZZY INT.

APP CRS	Rwy Idg	4005
090°	TDZE	512
	Apt Elev	512

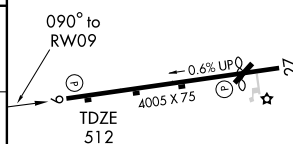
RNAV (GPS) RWY 9

CHAPEL HILL/ HORACE WILLIAMS (IGX)

	GPS or RNP-0.3 Required.	MISSED APPROACH: Climb to 1600 then climbing left turn to 3000 direct FIKKA WP and hold.
	DME/DME RNP-0.3 NA.	

ASOS
134.575
RALEIGH APP CON
132.35 256.9
CLNC DEL
126.5
UNICOM
123.0 (CTAF) ①


CATEGORY	A	B	C	D
RNAV MDA	1060-1	548 (600-1)	1060-1½ 548 (600-1½)	1060-1¾ 548 (600-1¾)
CIRCLING	1100-1 588 (600-1)	1120-1 608 (700-1)	1120-1¾ 608 (700-1¾)	1120-2 608 (700-2)

ELEV 512 Rwy 27 Idg 3275'

MIRL Rwy 9-27 ①
REIL Rwy 9 and 27 ①

APP CRS 270°	Rwy ldg 3275
	TDZE 510
	Apt Elev 512

RNAV (GPS) RWY 27

CHAPEL HILL/HORACE WILLIAMS (IGX)



GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

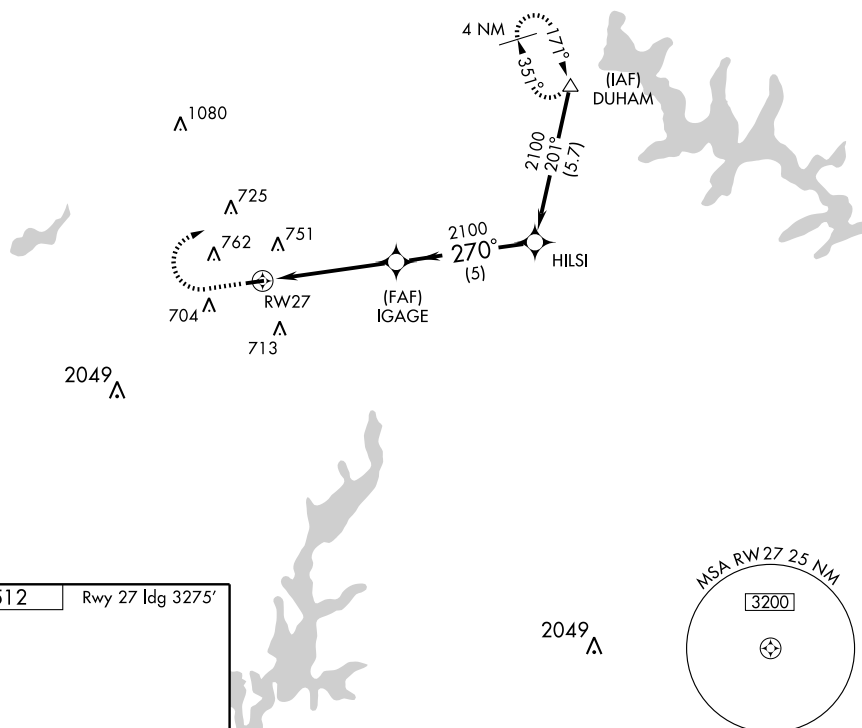
MISSED APPROACH: Climb to 1300 then climbing right turn to 2100 direct DUHAM WP and hold.

ASOS
134.575

RALEIGH APP CON
132.35 256.9

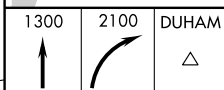
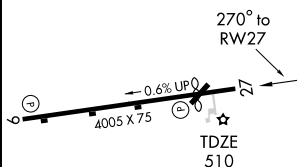
CLNC DEL
126.5

UNICOM
123.0 (CTAF) 0

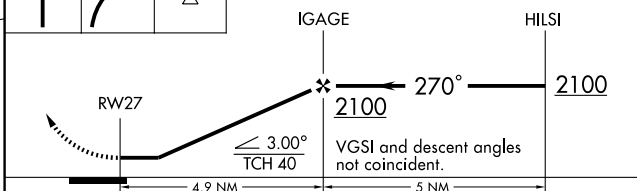


ELEV 512

Rwy 27 ldg 3275'



Procedure Turn NA



CATEGORY	A	B	C	D
LNNAV MDA	920-1 410 (500-1)	920-1¼ 410 (500-1¼)		
CIRCLING	1100-1 588 (600-1)	1120-1 608 (700-1)	1120-1¾ 608 (700-1¾)	1120-2 608 (700-2)

MIRL Rwy 9-27 **L**
REIL Rwy 9 and 27 **L**

SOUTH BOSTON FOUR ARRIVAL

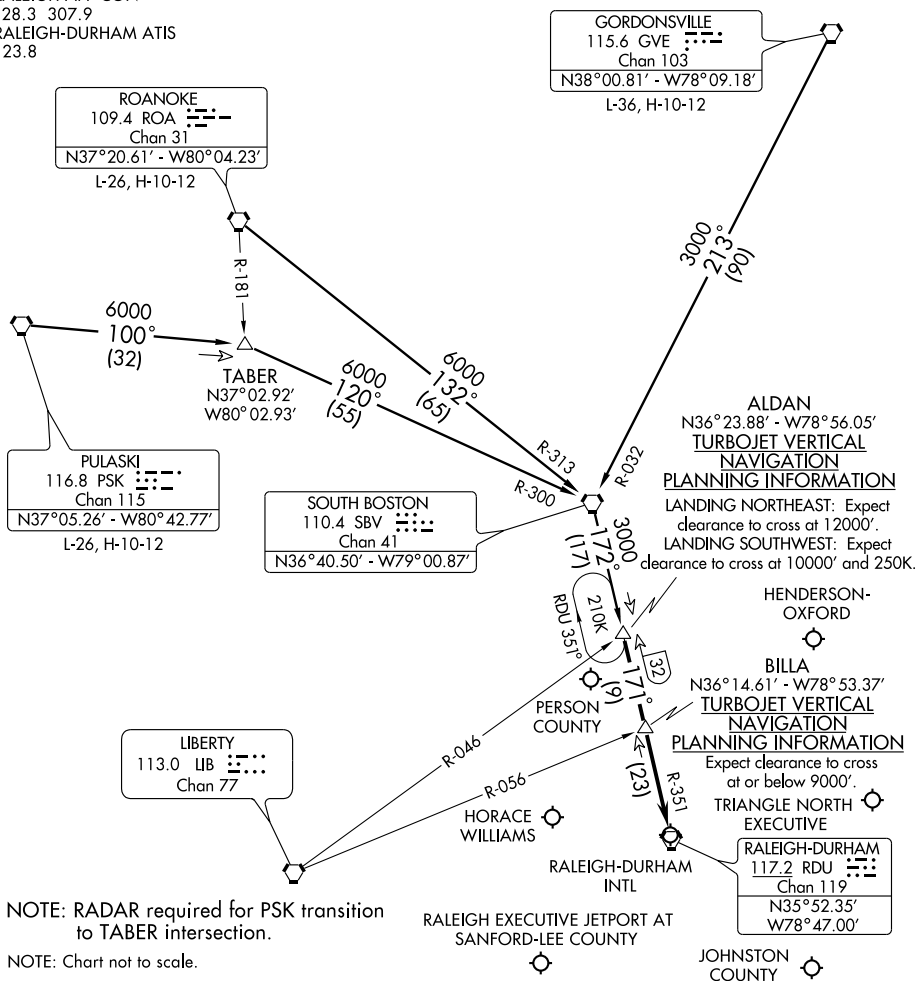
RALEIGH-DURHAM, NORTH CAROLINA

RALEIGH APP CON

128.3 307.9

RALEIGH-DURHAM ATIS

123.8



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

GORDONSVILLE TRANSITION (GVE.SBV4): From over GVE VORTAC via GVE R-213 and SBV R-032 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

PULASKI TRANSITION (PSK.SBV4): From over PSK VORTAC via PSK R-100 and SBV R-300 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

ROANOKE TRANSITION (ROA.SBV4): From over ROA VORTAC via ROA R-132 and SBV R-313 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

. . . . From over ALDAN INT via RDU R-351 to BILLA INT, then via RDU R-351 to RDU VORTAC. For arrival to Raleigh-Durham Intl (RDU), Franklin County (LHZ), Horace Williams (IGX), Johnston County (JNX) and Sanford-Lee County Rgnl (TTA) airports: Expect radar vectors to final approach course after BILLA INT.
For arrival to Henderson-Oxford (HNZ) and Person County (TDF) airports: Expect radar vectors to final approach course after ALDAN INT.

SOUTH BOSTON FOUR ARRIVAL

RALEIGH-DURHAM, NORTH CAROLINA

VORTAC RDU <u>117.2</u> Chan 119	APP CRS 290°	Rwy Idg 3275 TDZE 510 Apt Elev 512
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VOR/DME RWY 27
CHAPEL HILL/HORACE WILLIAMS (IGX)

TANA

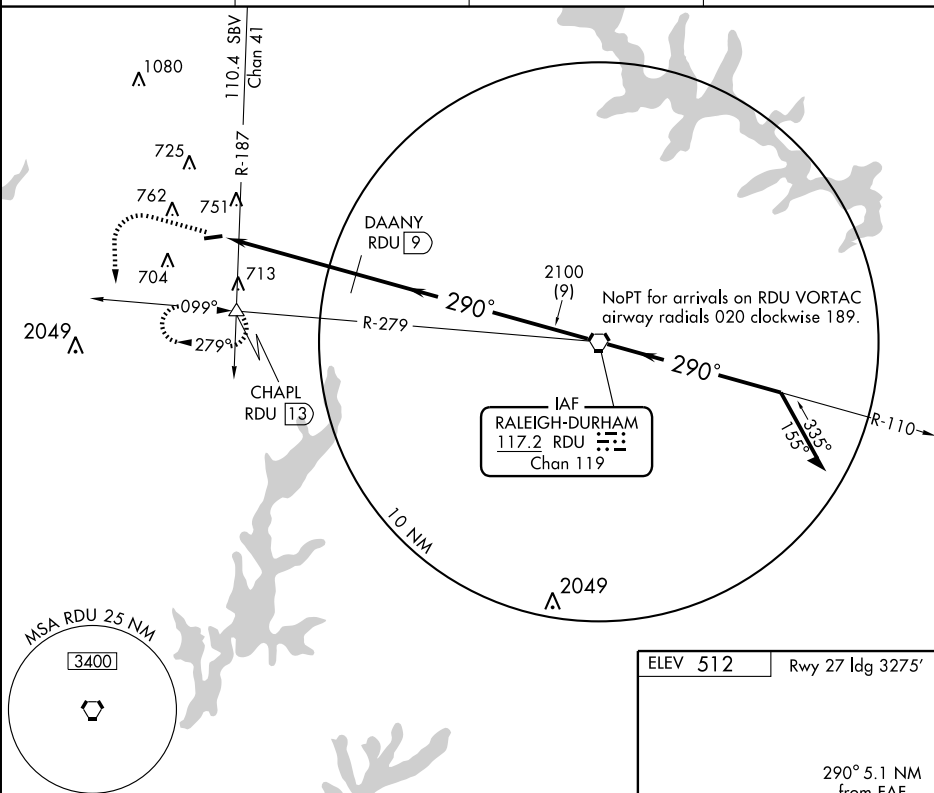
MISSED APPROACH: Climb to 2000 then climbing left turn to 3000 via heading 180° and RDU R-279 to CHAPL Int/13 DME and hold.

ASOS
134.575

RALEIGH APP CON
132.35 256.9

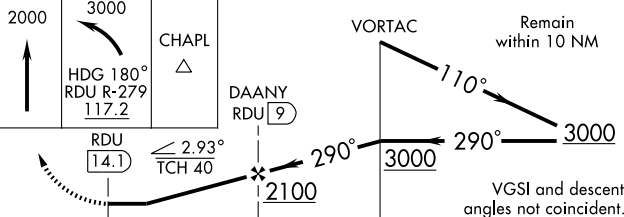
CLNC DEL
126.5

UNICOM
123.0 (CTAF) **L**



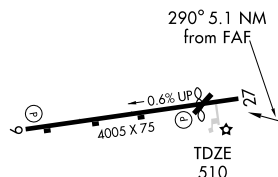
SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010



	5.1 NM		9 NM	
CATEGORY	A	B	C	D
S-27	1060-1	550 (600-1)	1060-1½ 550 (600-1½)	1060-1¾ 550 (600-1¾)
CIRCLING	1100-1 588 (600-1)	1120-1 608 (700-1)	1120-1¾ 608 (700-1¾)	1120-2 608 (700-2)

ELEV 512	Rwy 27 Idg 3275'
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MIRL Rwy 9-27 **L**
REIL Rwys 9 and 27 **L**

Knots	60	90	120	150	180
Min:Sec					

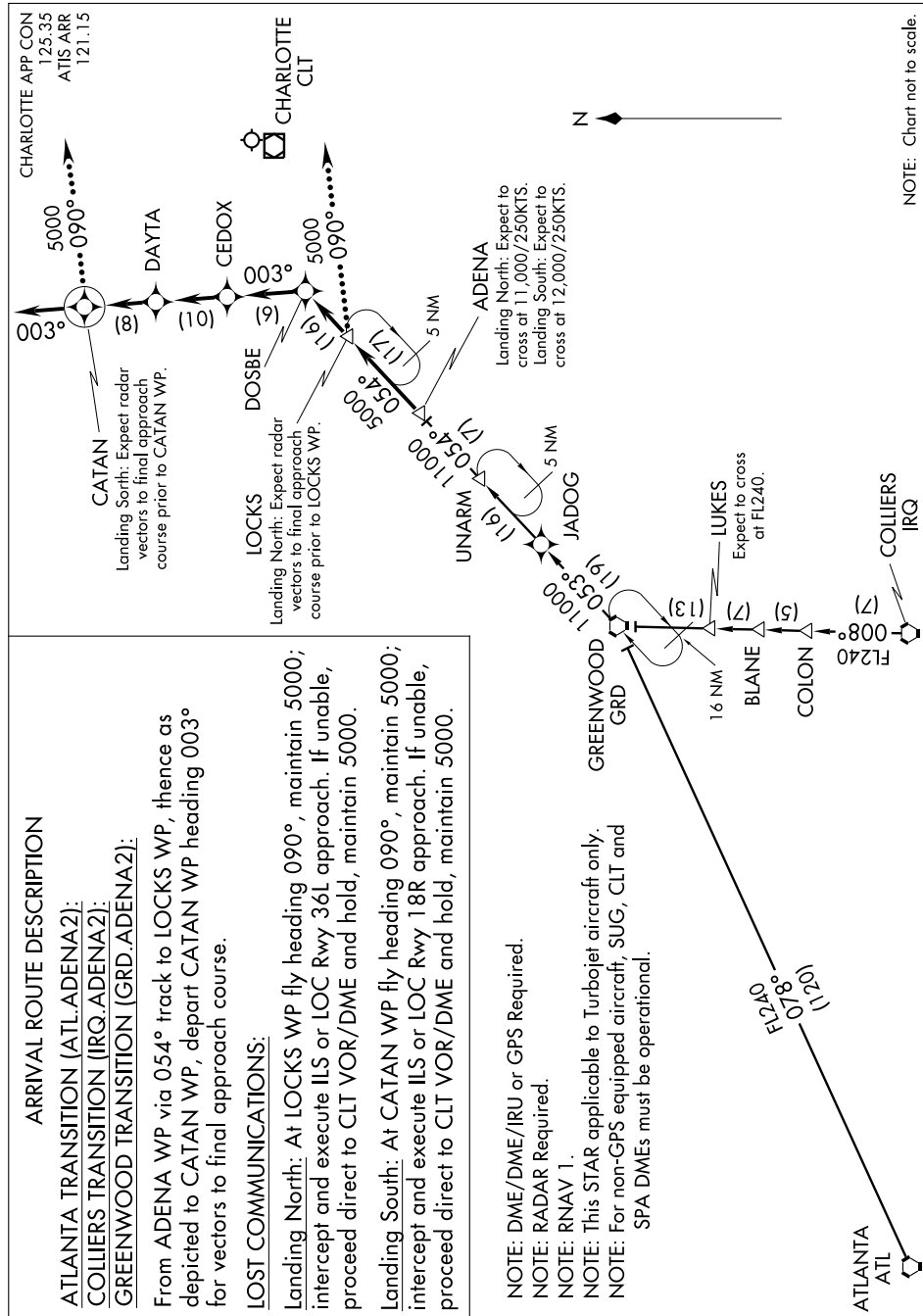
CHAPEL HILL, NORTH CAROLINA
Amdt 1 08269

35° 56' N - 79° 04' W

CHapel Hill/HORACE WILLIAMS (IGX)
VOR/DME RWY 27

ADENA TWO ARRIVAL (RNAV)

SE-2, 21 OCT 2010 to 18 NOV 2010



ADENA TWO ARRIVAL (RNAV)

SE-2, 21 OCT 2010 to 18 NOV 2010

AIRPORT DIAGRAM

AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

ATIS ARR 121.15

DEP 132.1

CHARLOTTE TOWER

118.1 257.8 (RWY 18L-36R, 05-23)

126.4 257.8 (RWY 18C-36C)

133.35 257.8 (RWY 18R-36L)

GND CON

121.8 348.6 (180°-359°)

121.9 348.6 (360°-179°)

CLNC DEL

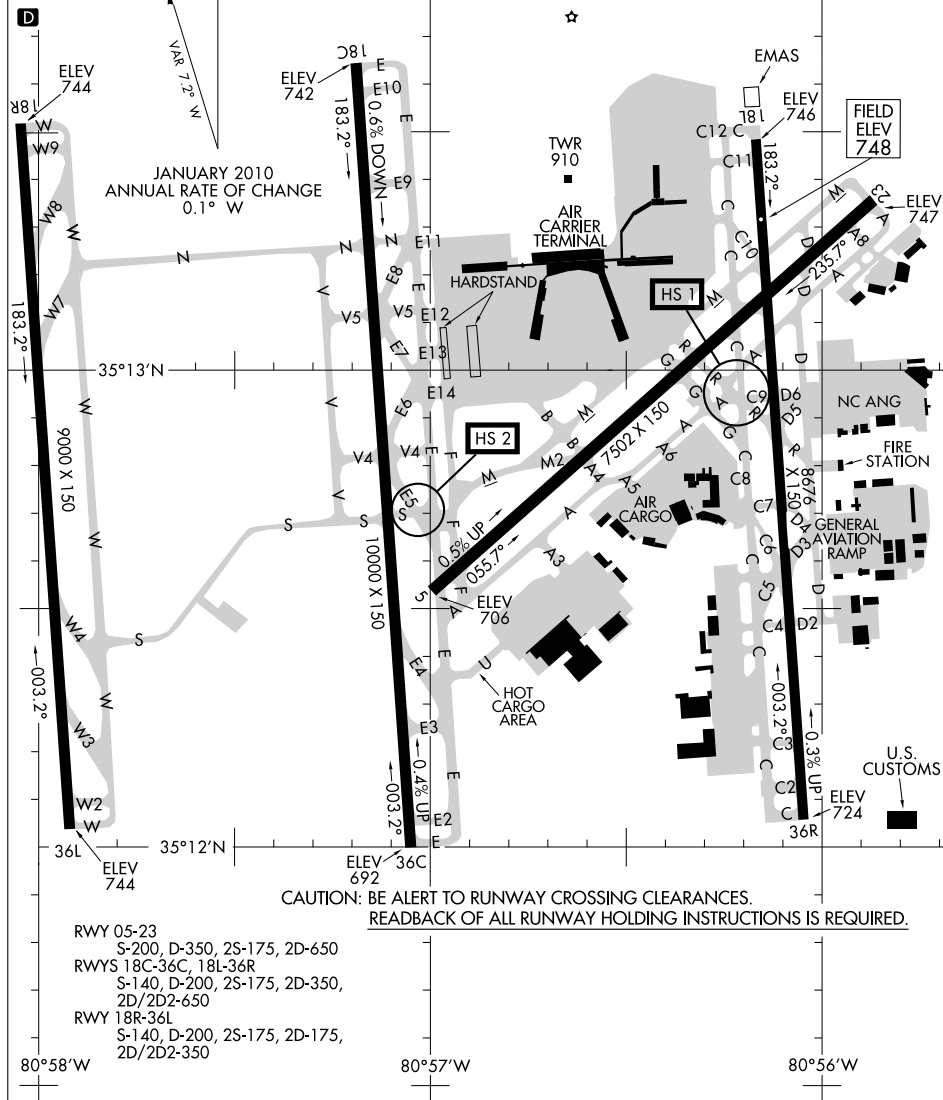
127.15 348.6

ASDE-X Surveillance system in use.

Pilots should operate transponders with Mode C on all twys and rwys.

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

RWY 05-23
S-200, D-350, 2S-175, 2D-650

RWYS 18C-36C, 18L-36R
S-140, D-200, 2S-175, 2D-350,
2D/2D2-650

RWY 18R-36L
S-140, D-200, 2S-175, 2D-175,
2D/2D2-350

AIRPORT DIAGRAM

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

CHARLOTTE

CHARLOTTE/DOUGLAS INTL (CLT) 4 W UTC-5(-4DT) N35°12.82' W80°56.94'

CHARLOTTE

748 B S4 FUEL 100LL, JET A OX 1 LRA Class I, ARFF Index D
NOTAM FILE CLTH-9B, 12G, L-25D, 36E
IAP, ADRWY 18C-36C: H10000X150 (CONC-WC) S-140, D-200, 2S-175,
2D-350, 2D/2D2-650 HIRL CL

RWY 18C: MALSR. PAPI(P4R)—GA 3.0° TCH 69'. Road. 0.6% down.

RWY 36C: ALSF2. TDZL. PAPI(P4L)—GA 3.0° TCH 72'. 0.4% up.

RWY 18R-36L: H9000X150 (CONC-GRVD) S-140, D-200, 2S-175,
2D-175, 2D/2D2-350 HIRL

RWY 18R: ALSF2. TDZL. PAPI(P4R)—GA 3.0° TCH 46'.

RWY 36L: ALSF2. TDZL. PAPI(P4L)—GA 3.0° TCH 55'.

RWY 18L-36R: H8676X150 (ASPH-CONC-GRVD) S-140, D-200,
2S-175, 2D-350, 2D/2D2-650 HIRL CLRWY 18L: REIL. VASI(V6R)—Upper GA 3.25° TCH 90.9'. Lower GA
2.75° TCH 52.4'. Railroad.

RWY 36R: ALSF2. TDZL. PAPI(P4R)—GA 3.0° TCH 71'. 0.3% up.

RWY 05-23: H7502X150 (ASPH-CONC-GRVD) S-200, D-350,
2S-175, 2D-650 HIRL 0.5% up NE

RWY 05: MALSR. PAPI(P4L)—GA 3.0° TCH 89'. Trees.

RWY 23: REIL. VASI(V4R)—Upper GA 3.25° TCH 93.7'. Lower GA
3.0° TCH 55.8'.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 05: TORA-7502 TODA-7502 ASDA-7092 LDA-7092

RWY 18L: TORA-8676 TODA-8676 ASDA-8676 LDA-8676

RWY 18C: TORA-10000 TODA-10000 ASDA-10000 LDA-10000

RWY 18R: TORA-9000 TODA-9000 ASDA-9000 LDA-9000

RWY 23: TORA-7502 TODA-7502 ASDA-7502 LDA-7502

RWY 36L: TORA-9000 TODA-9000 ASDA-9000 LDA-9000

RWY 36C: TORA-10000 TODA-10000 ASDA-10000 LDA-10000

RWY 36R: TORA-8676 TODA-8676 ASDA-8676 LDA-8676

ARRESTING GEAR/SYSTEM

RWY 36R: EMAS

AIRPORT REMARKS: Attended continuously. Be alert for flocks of migratory birds on and in/ovf arpt. Noise abatement procedure in effect 0400-1200Z±; land Rwy 05 takeoff Rwy 23. Twy E13 closed indef. Rwy 18L touchdown, midfield and rollout runway visual range avbl. Rwy 36R touchdown, midfield and rollout runway visual range avbl. Rwy 18C touchdown, midfield, rollout runway visual range avbl. Rwy 36C touchdown, midfield and rollout runway visual range avbl. Rwy 18R-36L touchdown avbl. ASDE-X surveillance system in use: Pilots should opt transponders with mode C on all twys and rwys. Flight Notification Service (ADCUS) avbl. NOTE: See Special Notices—Noise Abatement Procedures and Continuous Power Facilities.

WEATHER DATA SOURCES: ASOS (704)359-0235. HIWAS 115.0 CLT. LLWAS. TDWR.**COMMUNICATIONS:** D-ATIS ARR 121.15 D-ATIS DEP 132.1 UNICOM 122.95

CHARLOTTE RCO 122.4 (RALEIGH RADIO)

Ⓡ CHARLOTTE APP/DEP CON 134.75 (246°-360° 8000' and blo) 128.32 (001°-119° 8000' and blo) 120.05
(120°-245° 8000' and blo) 124.0 (075°-245° abv 8000') 120.5 (246°-074° abv 8000')

CHARLOTTE TOWER 118.1 (Rwys 18L-36R and 05-23) 126.4 (Rwy 18C-36C) 133.35 (Rwys 18R and 36L)

GND CON 121.9 (360°-179°) 121.8 (180°-359°) CLNC DEL 127.15

AIRSPACE: CLASS B See VFR Terminal Area Chart.**RADIO AIDS TO NAVIGATION:** NOTAM FILE CLT.

(L) VORW/DME 115.0 CLT Chan 97 N35°11.42' W80°57.11' 022° 1.5 NM to fld. 732/05W. HIWAS.

DME unusable:

015°-050° byd 25 NM blo 3000'.

050°-100° byd 25 NM blo 2500'.

270°-350° byd 20 NM blo 5000'.

FT MILL (L) VORTAC 112.4 FML Chan 71 N34°59.34' W80°57.29' 004° 13.5 NM to fld. 645/02W.

NOTAM FILE AND. SHUTDOWN.

TRYON NDB (LOM) 242 CL N35°09.49' W81°01.24' 056° 5.1 NM to fld.

ILS 110.95 I-CLT Rwy 05. Class IE. LOM TRYON NDB.

ILS 111.3 I-PEP Rwy 18C. Class IA.

ILS 110.35 I-VKQ Rwy 18L. LOC unusable byd 25° left and right of course.

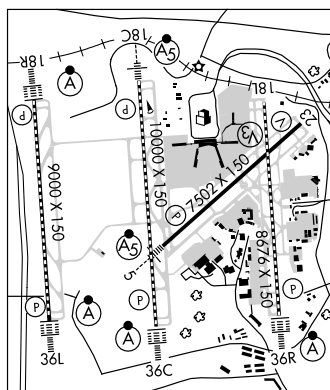
ILS/DME 109.5 I-APU Chan 32 Rwy 23. GS unusable blo 1100' MSL.

ILS 111.7 I-DQG Rwy 36C. Class IIID. LOC unusable throughout zone 5 due to structure at .56 NM.

ILS/DME 108.9 I-BQC Chan 26 Rwy 36R. Class IIIE.

ILS/DME 110.15 I-RGS Chan 38(Y) Rwy 18R. Class IIIB.

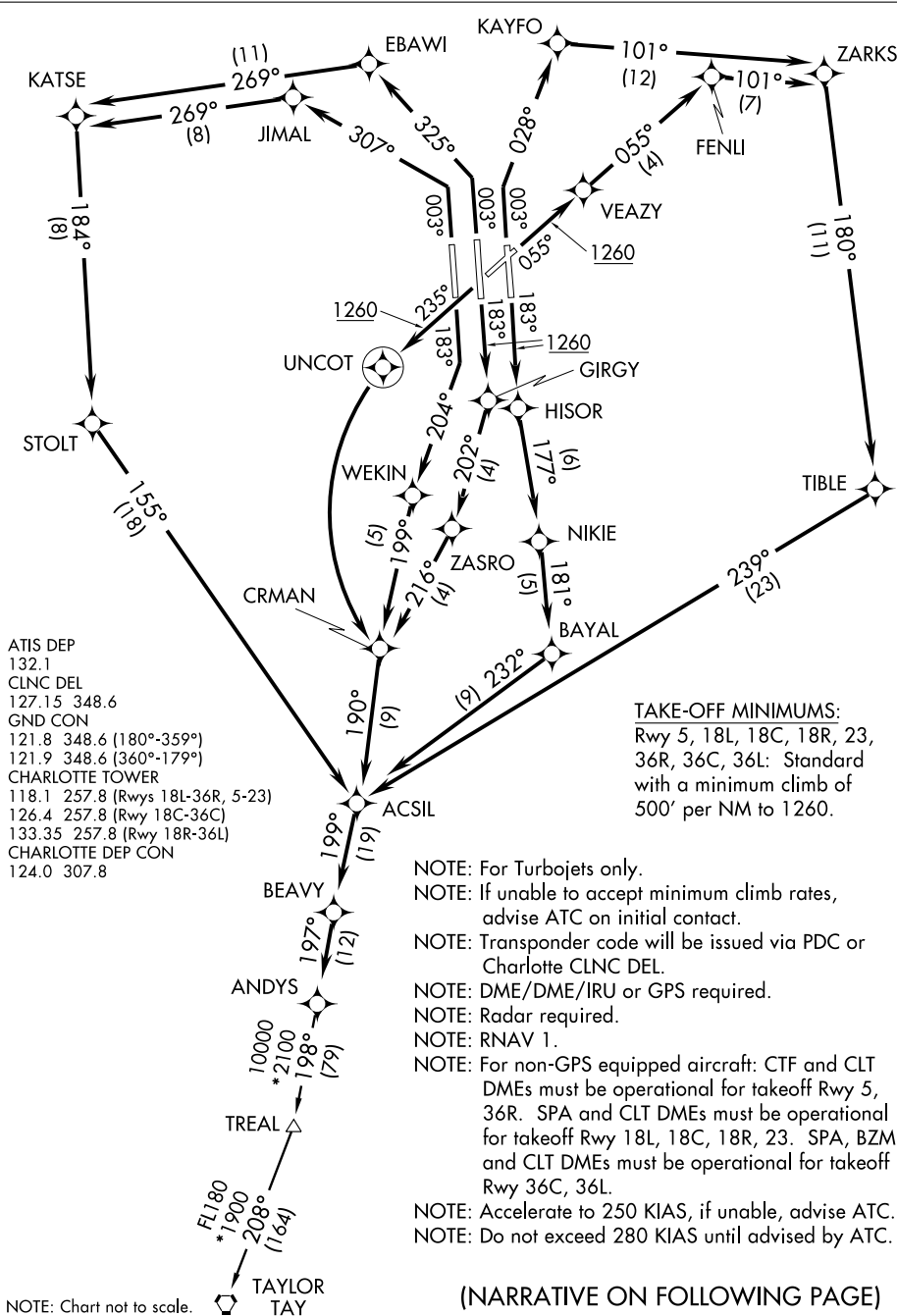
ILS/DME 110.15 I-XUU Chan 38(Y) Rwy 36L.



ANDYS SIX DEPARTURE (RNAV)

SE-2, 21 OCT 2010 to 18 NOV 2010

ATIS DEP
132.1
CLNC DEL
127.15 348.6
GND CON
121.8 348.6 (180°-359°)
121.9 348.6 (360°-179°)
CHARLOTTE TOWER
118.1 257.8 (Rwys 18L-36R, 5-23)
126.4 257.8 (Rwy 18C-36C)
133.35 257.8 (Rwy 18R-36L)
CHARLOTTE DEP CON
124.0 307.8



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

ANDYS SIX DEPARTURE (RNAV)

(ANDYS6.ANDYS) 10042

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

SE-2, 21 OCT 2010 to 18 NOV 2010



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 5: Climb heading 055° to 1260, then direct VEAZY, then via depicted route to ACSIL, thence

TAKEOFF RWY 18L: Climb heading 183° to 1260, then direct HISOR, then via depicted route to ACSIL, thence

TAKEOFF RWY 18C: Climb heading 183° to 1260, then direct GIRGY, then via depicted route to ACSIL, thence

TAKEOFF RWY 18R: Climb heading 183° to intercept course 204° to WEKIN, then via depicted route to ACSIL, thence

TAKEOFF RWY 23: Climb heading 235° to 1260, then direct UNCOT, then left turn direct CRMAN, then via depicted route to ACSIL, thence

TAKEOFF RWY 36R: Climb heading 003° to intercept course 028° to KAYFO, then via depicted route to ACSIL, thence

TAKEOFF RWY 36C: Climb heading 003° to intercept course 325° to EBAWI, then via depicted route to ACSIL, thence

TAKEOFF RWY 36L: Climb heading 003° to intercept course 307° to JIMAL, then via depicted route to ACSIL, thence

. . . . via depicted route to ANDYS. Maintain 8000. Expect clearance to filed altitude within 10 minutes after departure.

TAYLOR TRANSITION (ANDYS6.TAY):

TAKEOFF OBSTACLES:

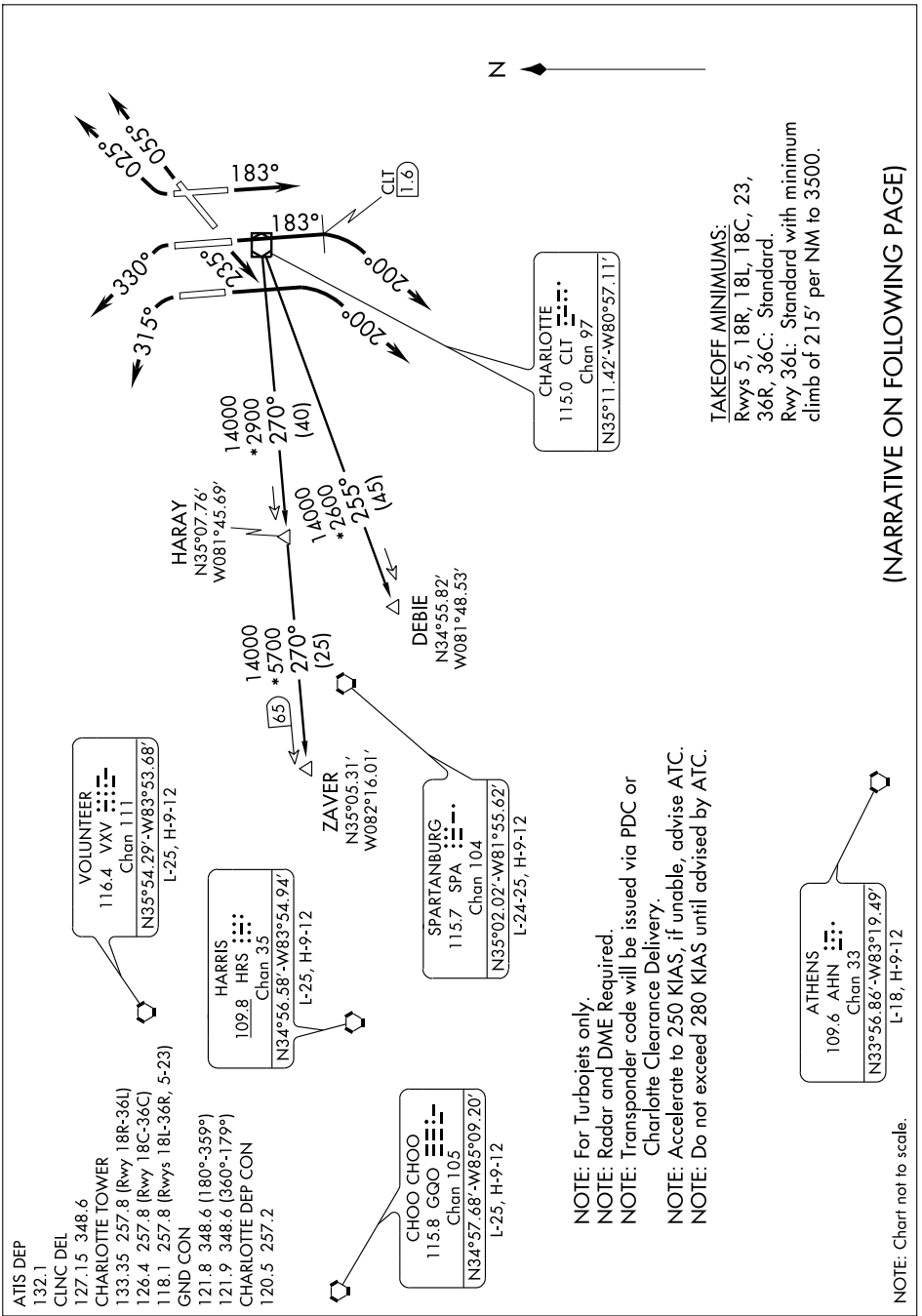
- RWY 5: Trees beginning 1031' from DER, 480' left of centerline, up to 127' AGL/856' MSL.
- RWY 18L: Tower and pole beginning 981' from DER, 708' left of centerline, up to 160' AGL/850' MSL.
Trees beginning 1235' from DER, 707' right of centerline, up to 88' AGL/767' MSL.
- RWY 18C: Trees beginning 1688' from DER, 735' left of centerline, up to 108' AGL/787' MSL.
Trees beginning 3251' from DER, 995' right of centerline, up to 102' AGL/841' MSL.
- RWY 23: Trees beginning 3899' from DER, 216' left of centerline, up to 99' AGL/818' MSL.
Trees beginning 1491' from DER, 603' right of centerline, up to 74' AGL/823' MSL.
- RWY 36C: Trees beginning 1937' from DER, 725' left of centerline, up to 54' AGL/823' MSL.
Trees beginning 1420' from DER, 309' right of centerline, up to 114' AGL/823' MSL.
- RWY 36R: Pole and trees beginning 713' from DER, 416' left of centerline, up to 94' AGL/853' MSL.
Railroad, antenna, poles and trees beginning 471' from DER, 93' right of centerline, up to 93' AGL/852' MSL.

BOBCAT FOUR DEPARTURE

SL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

SE-2, 21 OCT 2010 to 18 NOV 2010



(NARRATIVE ON FOLLOWING PAGE)

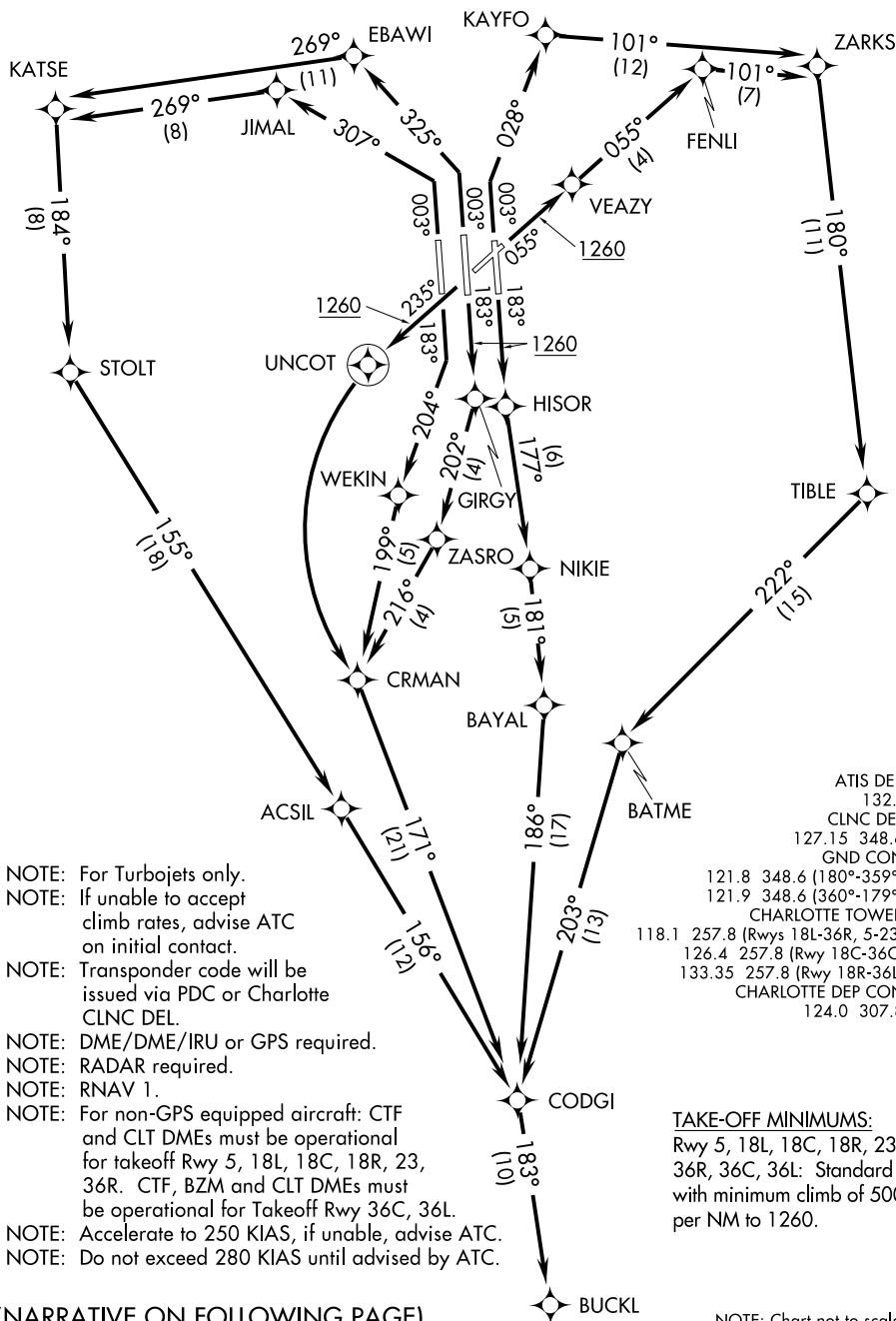
SE-2, 21 OCT 2010 to 18 NOV 2010

BOBCAT FOUR DEPARTURE

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

BUCKL SIX DEPARTURE (RNAV)

SL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

BUCKL SIX DEPARTURE (RNAV)

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 5: Climb heading 055° to 1260, then direct VEAZY, then via depicted route to CODGI, thence

TAKEOFF RWY 18L: Climb heading 183° to 1260, then direct HISOR, then via depicted route to CODGI, thence

TAKEOFF RWY 18C: Climb heading 183° to 1260, then direct GIRGY, then via depicted route to CODGI, thence

TAKEOFF RWY 18R: Climb heading 183° to intercept course 204° to WEKIN, then via depicted route to CODGI, thence

TAKEOFF RWY 23: Climb heading 235° to 1260, then direct UNCOT, then left turn direct CRMAN, then via depicted route to CODGI, thence

TAKEOFF RWY 36R: Climb heading 003° to intercept course 028° to KAYFO, then via depicted route to CODGI, thence

TAKEOFF RWY 36C: Climb heading 003° to intercept course 325° to EBAWI, then via depicted route to CODGI, thence

TAKEOFF RWY 36L: Climb heading 003° to intercept course 307° to JIMAL, then via depicted route to CODGI, thence

. . . . via depicted route to BUCKL. Maintain 8000. Expect clearance to filed altitude within 10 minutes after departure.

TAKEOFF OBSTACLES:

RWY 5: Trees beginning 1031' from DER, 480' left of centerline, up to 127' AGL/856' MSL.

RWY 18L: Tower and pole beginning 981' from DER, 708' left of centerline, up to 160' AGL/850' MSL.

Trees beginning 1235' from DER, 707' right of centerline, up to 88' AGL/767' MSL.

RWY 18C: Trees beginning 1688' from DER, 735' left of centerline, up to 108' AGL/787' MSL.

Trees beginning 3251' from DER, 995' right of centerline, up to 102' AGL/841' MSL.

RWY 23: Trees beginning 3899' from DER, 216' left of centerline, up to 99' AGL/818' MSL.

Trees beginning 1491' from DER, 603' right of centerline, up to 74' AGL/823' MSL.

RWY 36C: Trees beginning 1937' from DER, 725' left of centerline, up to 54' AGL/823' MSL.

Trees beginning 1420' from DER, 309' right of centerline, up to 114' AGL/823' MSL.

RWY 36R: Pole and trees beginning 713' from DER, 416' left of centerline, up to 94' AGL/853' MSL.

Railroad, antenna, poles and trees beginning 471' from DER, 93' right of centerline, up to 93' AGL/852' MSL.

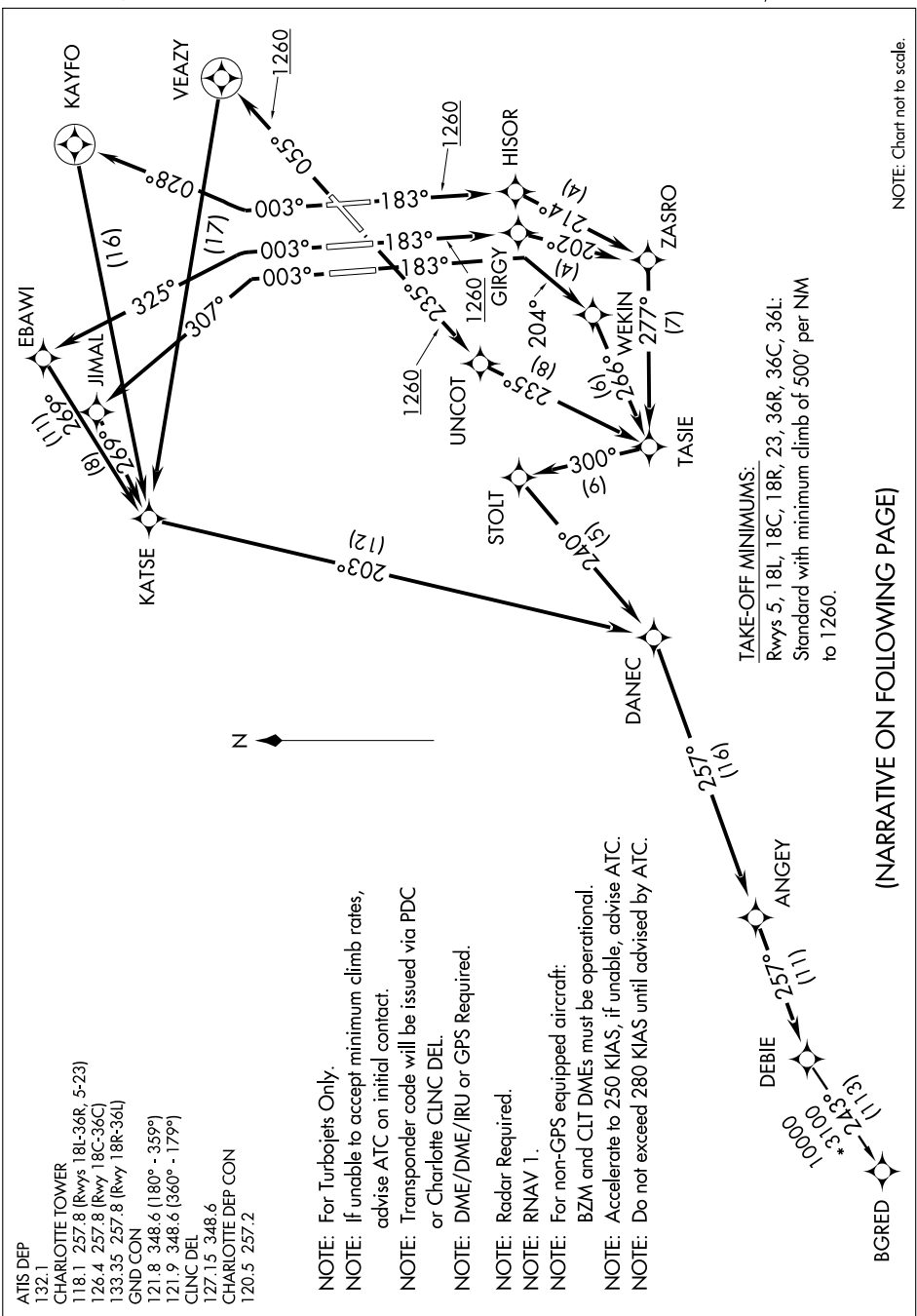
SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

DEBIE FIVE DEPARTURE (RNAV)

SL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA



(NARRATIVE ON FOLLOWING PAGE)

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 5: Climb heading 055° to 1260, then direct VEAZY, then left turn direct KATSE, then via depicted route to DANEC, thence....

TAKE-OFF RWY 18L: Climb heading 183° to 1260, then direct HISOR, then via depicted route to DANEC, thence....

TAKE-OFF RWY 18C: Climb heading 183° to 1260, then direct GIRGY, then via depicted route to DANEC, thence....

TAKE-OFF RWY 18R: Climb heading 183° to intercept course 204° to WEKIN, then via depicted route to DANEC, thence....

TAKE-OFF RWY 23: Climb heading 235° to 1260, then direct UNCOT, then via depicted route to DANEC, thence....

TAKE-OFF RWY 36R: Climb heading 003° to intercept course 028° to KAYFO, then left turn direct KATSE, then via depicted route to DANEC, thence....

TAKE-OFF RWY 36C: Climb heading 003° to intercept course 325° to EBAWI, then via depicted route to DANEC, thence....

TAKE-OFF RWY 36L: Climb heading 003° to intercept course 307° to JIMAL, then via depicted route to DANEC, thence....

....via depicted route to DEBIE. Maintain 8000. Expect clearance to filed altitude within 10 minutes after departure.

BGRED TRANSITION (DEBIE5.BGRED):TAKE-OFF OBSTACLES:

Rwy 5: Trees beginning 1031' from DER, 480' left of centerline, up to 127' AGL/856' MSL.

Rwy 18L: Tower and pole beginning 981' from DER, 708' left of centerline, up to 160' AGL/850' MSL. Trees beginning 1235' from DER, 707' right of centerline, up to 88' AGL/767' MSL.

Rwy 18C: Trees beginning 1688' from DER, 735' left of centerline, up to 108' AGL/787' MSL. Trees beginning 3251' from DER, 995' right of centerline, up to 102' AGL/841' MSL.

Rwy 23: Trees beginning 3899' from DER, 216' left of centerline, up to 99' AGL/818' MSL. Trees beginning 1491' from DER, 603' right of centerline, up to 74' AGL/823' MSL.

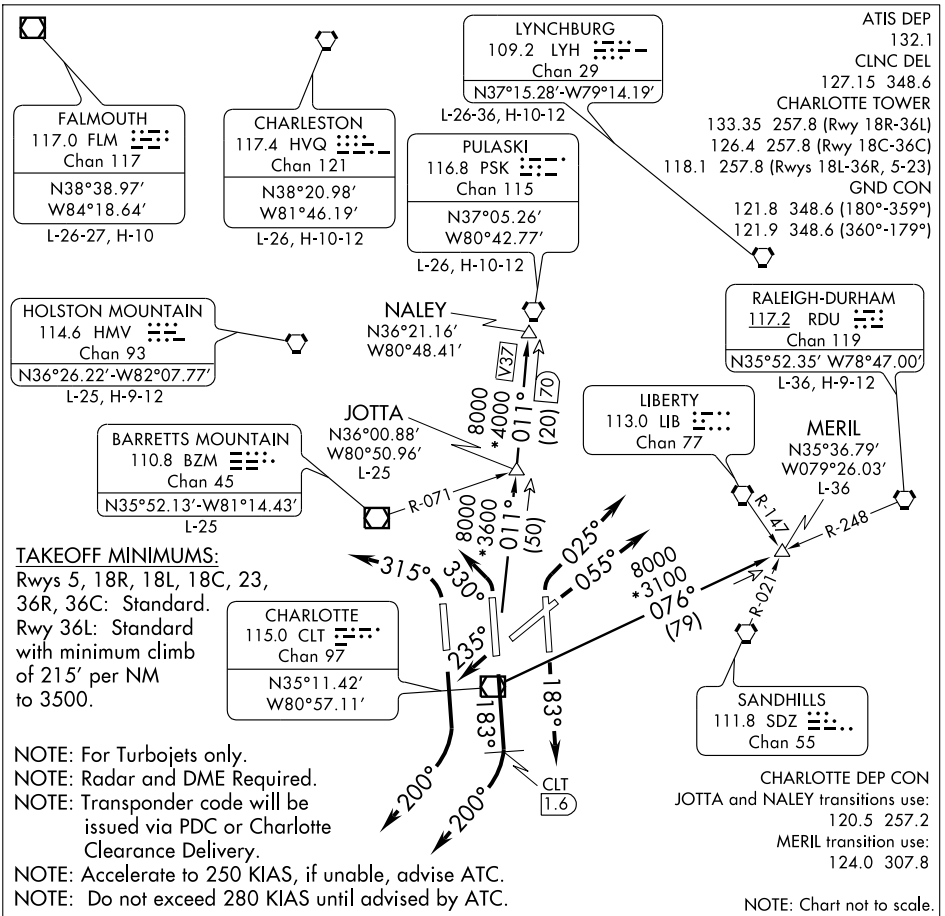
Rwy 36C: Trees beginning 1937' from DER, 725' left of centerline, up to 54' AGL/823' MSL. Trees beginning 1420' from DER, 309' right of centerline, up to 114' AGL/823' MSL.

Rwy 36R: Pole and trees beginning 713' from DER, 416' left of centerline, up to 94' AGL/853' MSL. Railroad, antenna, poles and trees beginning 471' from DER, 93' right of centerline, up to 93' AGL/852' MSL.

HORNET SIX DEPARTURE

SL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA



DEPARTURE ROUTE DESCRIPTION

- TAKEOFF RUNWAY 5: Climb heading 055°, Thence....
- TAKEOFF RUNWAY 18R: Climbing right turn heading 200°, Thence....
- TAKEOFF RUNWAY 18C: Climb heading 183° until passing CLT VOR/DME 1.6 DME, then turn right heading 200°, Thence....
- TAKEOFF RUNWAY 18L: Climb heading 183°, Thence....
- TAKEOFF RUNWAY 23: Climb heading 235°, Thence....
- TAKEOFF RUNWAY 36L: Climbing left turn heading 315°, Thence....
- TAKEOFF RUNWAY 36C: Climbing left turn heading 330°, Thence....
- TAKEOFF RUNWAY 36R: Climbing right turn heading 025°, Thence....

....Expect radar vectors to intercept filed/assigned transition or enroute fix/navaid. Maintain 8000, expect filed altitude/flight level 10 minutes after departure.
(NARRATIVE CONTINUED ON FOLLOWING PAGE)

HORNET SIX DEPARTURE

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

HOT SPOTS

An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION*
CHARLOTTE, NC		
CHARLOTTE/DOUGLAS INTL (CLT)	HS 1	Confusing int due to convergence of Twy R, Twy A, Twy C and Twy C9, along with grass island.
	HS 2	Pilots exiting Rwy 18C-36C on Twy S for either Twy E or Twy F mistakenly turn left on Twy E5 and re-enter the rwy.
RALEIGH/DURHAM, NC		
RALEIGH-DURHAM INTL (RDU)	HS 1	Int of Rwy 05R-23L and Twy C.

*See appropriate A/FD, Alaska or Pacific Supplement HOT SPOT table for additional information.

HUGO ONE DEPARTURE

SL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

ATIS DEP

132.1

CLNC DEL

127.15 348.6

GND CON

121.8 348.6 (180°-359°)

121.9 348.6 (360°-179°)

CHARLOTTE TOWER

133.35 257.8 (Rwys 18L-36L)

118.1 257.8 (Rwys 18L-36R, 5-23)

126.4 257.8 (Rwy 18C-36C)

HOLSTON MOUNTAIN

114.6 HMV

Chan 93

N36°26.22' W82°07.77'

L-25, H-9-12

NORTHWEST

CHARLOTTE DEP CON

134.75 257.2

SUGARLOAF MOUNTAIN

112.2 SUG

Chan 59

N35°24.39' W82°16.12'

L-25

FOOTHILLS

113.4 ODF

Chan 81

N34°41.75'

W83°17.86'

L-25, H-9-12

GREENWOOD

115.5 GRD

Chan 102

N34°15.09'

W82°09.25'

L-24, H-9-12

ELECTRIC CITY

108.6 ELW

Chan 23

N34°25.15'

W82°47.08'

L-18

COLLIERS

113.9 IRQ

Chan 86

N33°42.44' W82°09.72'

L-24, H-9-12

COLUMBIA

114.7 CAE

Chan 94

N33°51.43' W81°03.23'

L-24, H-9-12

TAKEOFF MINIMUMS:

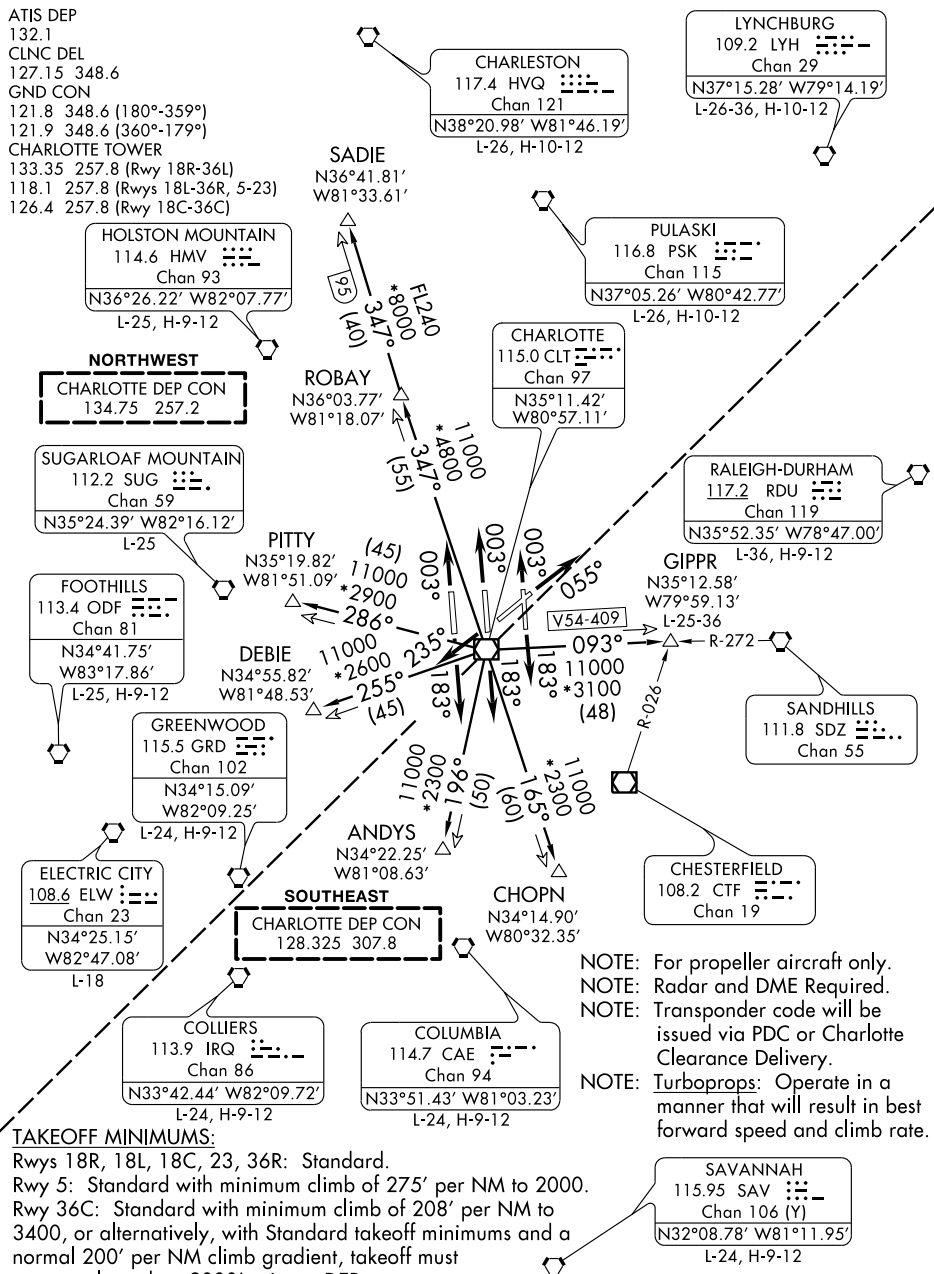
Rwys 18R, 18L, 18C, 23, 36R: Standard.

Rwy 5: Standard with minimum climb of 275' per NM to 2000.

Rwy 36C: Standard with minimum climb of 208' per NM to 3400, or alternatively, with Standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 2000' prior to DER.

Rwy 36L: Standard with minimum climb of 215' per NM to 3500.

HUGO ONE DEPARTURE



(NARRATIVE ON FOLLOWING PAGE)

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb heading 055° or as assigned by ATC, Thence....

TAKEOFF RUNWAY 18R: Climb heading 183° or as assigned by ATC, Thence....

TAKEOFF RUNWAY 18C: Climb heading 183° or as assigned by ATC, Thence....

TAKEOFF RUNWAY 18L: Climb heading 183° or as assigned by ATC, Thence....

TAKEOFF RUNWAY 23: Climb heading 235° or as assigned by ATC, Thence....

TAKEOFF RUNWAY 36L: Climb heading 003° or as assigned by ATC, Thence....

TAKEOFF RUNWAY 36C: Climb heading 003° or as assigned by ATC, Thence....

TAKEOFF RUNWAY 36R: Climb heading 003° or as assigned by ATC, Thence....

....Expect radar vectors to intercept filed/assigned transition or enroute fix/navaid. Maintain 4000, expect filed altitude/flight level 10 minutes after departure.

ANDYS TRANSITION (HUG1.ANDYS): From over CLT VOR/DME via CLT R-196 to ANDYS.

CHOPN TRANSITION (HUG1.CHOPN): From over CLT VOR/DME via CLT R-165 to CHOPN.

DEBIE TRANSITION (HUG1.DEBIE): From over CLT VOR/DME via CLT R-255 to DEBIE.

GIPPR TRANSITION (HUG1.GIPPR): From over CLT VOR/DME via CLT R-093 to GIPPR.

PITTY TRANSITION (HUG1.PITTY): From over CLT VOR/DME via CLT R-286 to PITTY.

ROBAY TRANSITION (HUG1.ROBAY): From over CLT VOR/DME via CLT R-347 to ROBAY.

SADIE TRANSITION (HUG1.SADIE): From over CLT VOR/DME via CLT R-347 to SADIE.

TAKEOFF OBSTACLE NOTES:

Rwy 5: Trees beginning 1031' from DER, 480' left of centerline, up to 127' AGL/856' MSL.

Rwy 18L: Tower and pole beginning 981' from DER, 708' left of centerline, up to 160' AGL/850' MSL.
Trees beginning 1235' from DER, 707' right of centerline, up to 88' AGL/767' MSL.

Rwy 18C: Trees beginning 1688' from DER, 735' left of centerline, up to 108' AGL/787' MSL.
Trees beginning 3251' from DER, 995' right of centerline, up to 102' AGL/841' MSL.

Rwy 23: Trees beginning 3899' from DER, 216' left of centerline, up to 99' AGL/818' MSL.
Trees beginning 1491' from DER, 603' right of centerline, up to 74' AGL/823' MSL.

Rwy 36C: Trees beginning 1937' from DER, 725' left of centerline, up to 54' AGL/823' MSL.
Trees beginning 1420' from DER, 309' right of centerline, up to 114' AGL/823' MSL.

Rwy 36R: Pole and trees beginning 713' from DER, 416' left of centerline, up to 94' AGL/853' MSL.
Railroad, antenna, poles and trees beginning 471' from DER, 93' right of centerline, up to 93' AGL/852' MSL.

(HUSTN.HUSTN1) 09351

ST-78 (FAA)

CHARLOTTE/DOUGLAS INTL
CHARLOTTE, NORTH CAROLINA

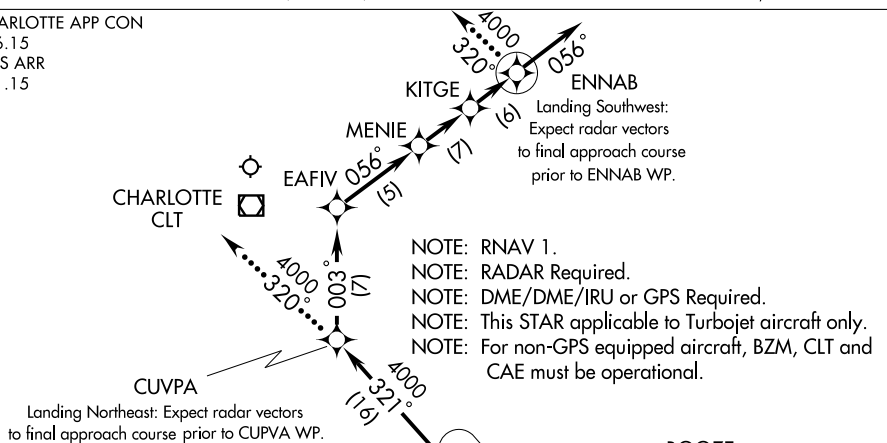
HUSTN ONE ARRIVAL (RNAV)

CHARLOTTE APP CON

126.15

ATIS ARR

121.15



ARRIVAL ROUTE DESCRIPTION

CHARLESTON TRANSITION (CHS.HUSTN1):FAYETTEVILLE TRANSITION (FAY. HUSTN1):FLORENCE TRANSITION (FLO.HUSTN1):SAVANNAH TRANSITION (SAV.HUSTN1):

From HUSTN WP via 321° track to CUVPA WP, thence as depicted to ENNAB WP, depart ENNAB WP heading 056° for vectors to final approach course.

LOST COMMUNICATIONS:

LANDING NORTH: At CUVPA WP fly heading 320°, maintain 4000; intercept and execute ILS or LOC Rwy 05 approach. If unable, proceed direct to CLT VOR/DME and hold, maintain 4000.

LANDING SOUTH: At ENNAB WP fly heading 320°, maintain 4000; intercept and execute ILS Rwy 23 approach. If unable, proceed direct to CLT VOR/DME and hold, maintain 4000.

SAVANNAH
SAV

FL180
036°
(107)

NAVEE
Expect to cross
at FL240

CHARLESTON
CHS

FL180
013°
(43)

NOTE: Chart not to scale.

HUSTN ONE ARRIVAL (RNAV)

(HUSTN.HUSTN1) 09351

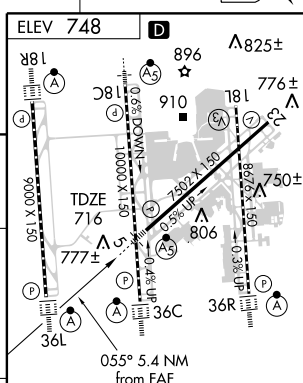
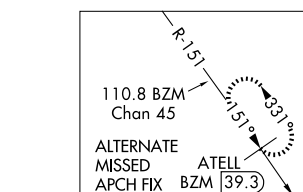
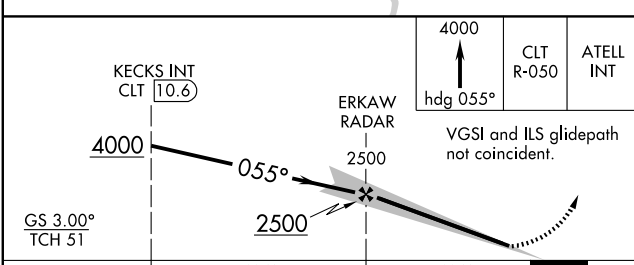
CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL


SE-2, 21 OCT 2010 to 18 NOV 2010

ILS or LOC RWY 5
CHARLOTTE/DOUGLAS INTL (CLT)

* RVR 1800 authorized with use of FD or AP or HUD to DA.

MISSED APPROACH: Climb to 4000 via heading 055° and CLT VOR/DME R-050 to ATELL INT/CLT 12.1 DME and hold, continue climb-in-hold to 4000.

[illegible]

					From VFR							
CATEGORY	A	B	C		D		HRL all Rwys REL Rwys 18L and 23 TDZ/CL Rwys 18R, 36L, 36C and 36R					
S-ILS 5	* 916/24 200 (200-½)											
S-LOC 5	1120/24 404 (400-½)			1120/40 404 (400-¾)								
FAF to MAP 5.4 NM												
CIRCLING	1240-1 492 (500-1)		1260-1½ 512 (600-1½)		1300-2 552 (600-2)		Knots	60	90	120	150	180
							Min:Sec	5:24	3:36	2:42	2:10	1:48

ILS or LOC RWY 5

35°13'N-80°57'W

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

LOC I-PEP	APP CRS	Rwy Idg	10000
111.3	183°	TDZE	742
		Apt Elev	748

ILS or LOC RWY 18C CHARLOTTE/DOUGLAS INTL (CLT)

⚠ Circling NA at night. Simultaneous approach authorized with Rwy 18L/R.
 DME or RADAR Required. LOC procedure NA during simultaneous operations.
 ** RVR 1800 authorized with the use of FD or AP or HUD to DA.

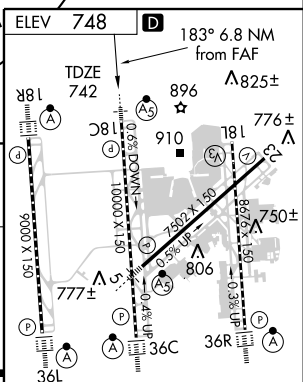
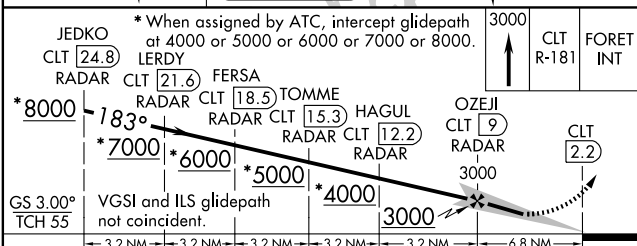
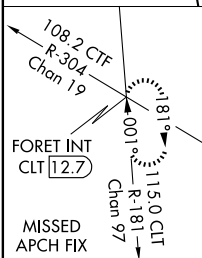
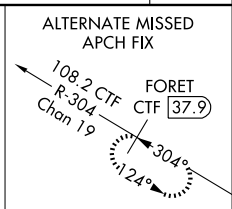
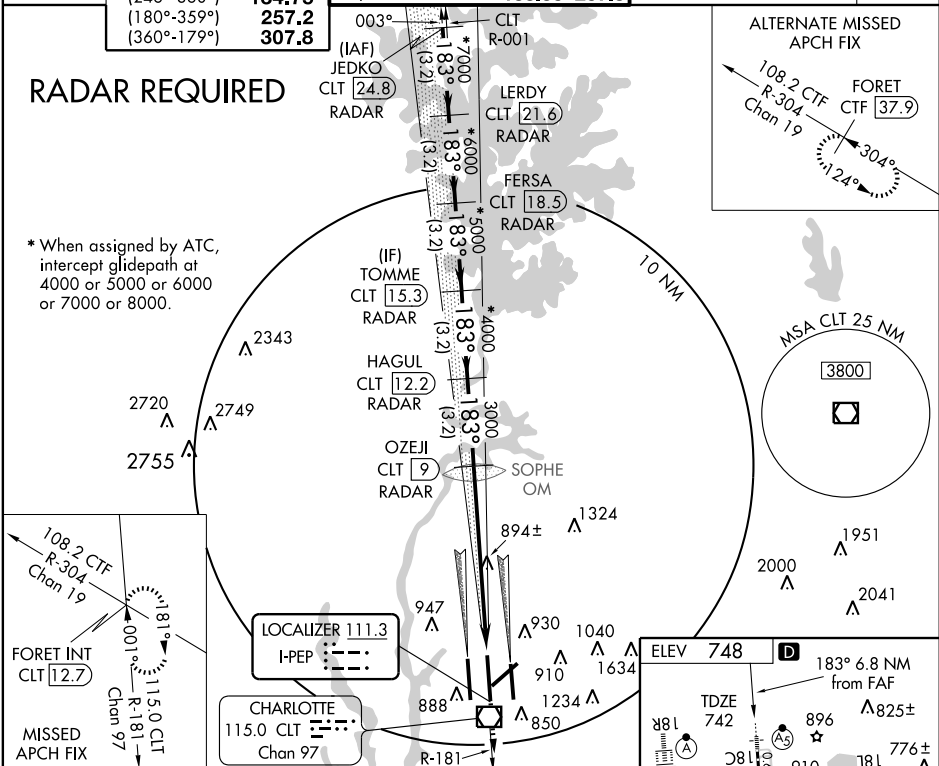
MALSR

MISSED APPROACH: Climb to 3000 via CLT R-181 to FORET INT/CLT 12.7 DME and hold.

ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			

RADAR REQUIRED

* When assigned by ATC, intercept glidepath at 4000 or 5000 or 6000 or 7000 or 8000.



CATEGORY	A	B	C	D
S-ILS 18C	** 942/24 200 (200-1/2)			
S-LOC 18C	1200/24 458 (500-1/2)	1200/40 458 (500-3/4)	1200/50 458 (500-1)	
CIRCLING	1240-1 492 (500-1)	1260-1 512 (600-1/2)	1300-2 552 (600-2)	

HIRL all Rwys				
REIL Rwys 18L and 23				
TDZ/CL Rwys 18R, 36L, 36C and 36R				
FAF to MAP 6.8 NM				
Knots	60	90	120	150
Min:Sec	6:48	4:32	3:24	2:43

LOC I-VKQ <u>110.35</u>	APP CRS 183°	Rwy Idg 8676 TDZE 748 Apt Elev 748
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ILS or LOC RWY 18L
CHARLOTTE/DOUGLAS INTL (CLT)

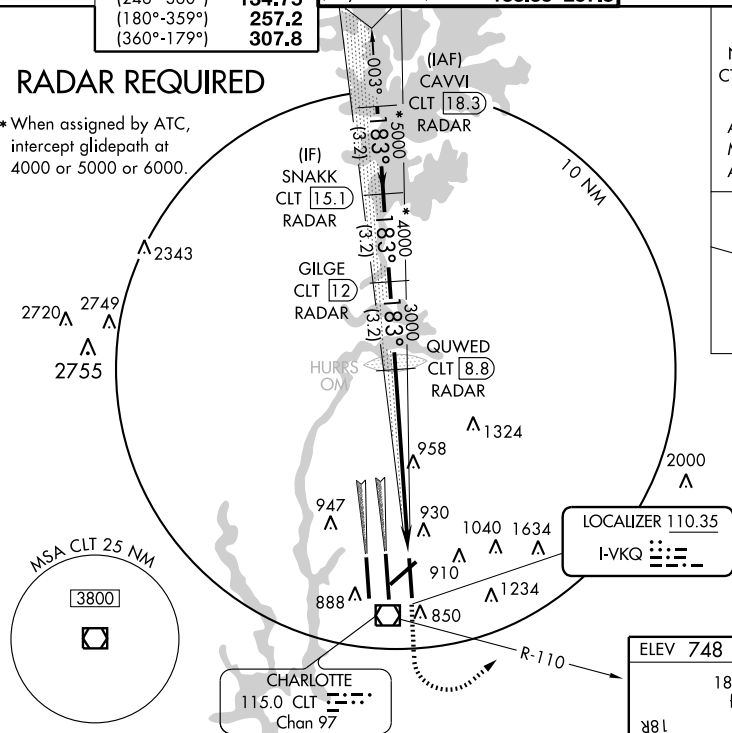
T Circling NA at night. Simultaneous approach authorized with Rwy 18C/R. DME or RADAR Required. Visibility reduction by helicopters NA. LOC procedure NA during simultaneous operations.

MISSED APPROACH: Climb to 1240 then climbing left turn to 4000 via heading 130° and CLT R-110 to NEALO/CLT 13 DME and hold.

ATIS		CHARLOTTE APP CON		CHARLOTTE TOWER		GND CON		CLNIC DEL
ARR	121.15	(001°-119°)	128.32	(Rwys 18L-36R, 5-23)	118.1	257.8	(180°-359°)	121.8 348.6
DEP	132.1	(120°-245°)	120.05	(Rwy 18C-36C)	126.4	257.8	(360°-179°)	121.9 348.6
		(246°-360°)	134.75	(Rwy 18R-36L)	133.35	257.8		348.6

RADAR REQUIRED

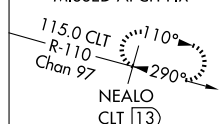
* When assigned by ATC, intercept glidepath at 4000 or 5000 or 6000.



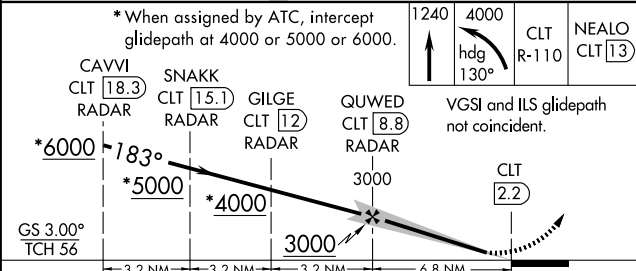
NEALO
CTF 35.7
ALTERNATE
MISSED
APCH FIX

147°

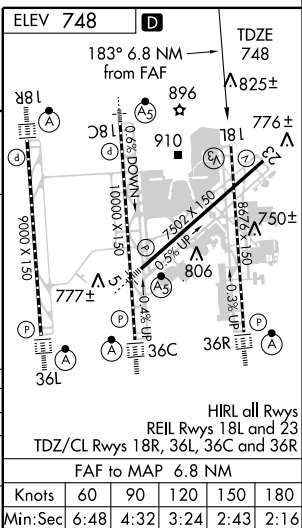
MISSED APCH FIX



* When assigned by ATC, intercept glidepath at 4000 or 5000 or 6000.



CATEGORY	A	B	C	D
S-ILS 18L	1022/50 274 (300-1)			
S-LOC 18L	1260/50 512 (600-1)	1260-1½ 512 (600-1½)	1260-1¾ 512 (600-1¾)	
CIRCLING	1260-1 512 (600-1)	1260-1½ 512 (600-1½)	1300-2 552 (600-2)	



CHARLOTTE, NORTH CAROLINA

Amdt 7 11FEB10

35°13'N-80°57'W

CHARLOTTE/DOUGLAS INTL (CLT)
ILS or LOC RWY 18L

SE-2. 21 OCT 2010 to 18 NOV 2010

LOC/DME I-RGS 110.15 Chan 38(Y)	APP CRS 183°	Rwy Idg TDZE 744 Apt Elev 748	9000
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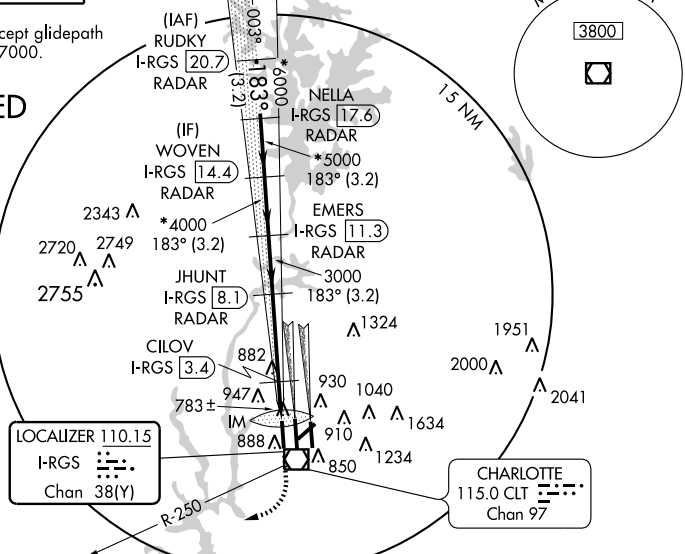
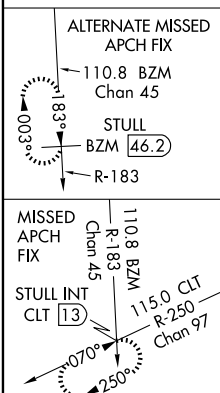
ILS or LOC RWY 18R CHARLOTTE/DOUGLAS INTL (CLT)

<p>⚠ Circling NA at night. Simultaneous approach authorized with Rwy 18L/C. DME or RADAR Required. LOC procedure NA during simultaneous operations. CLOV Fix Minimums: For inoperative ALSF, increase S-LOC 18R Cat D visibility to RVR 5000.</p>	<p>ALSF-2 A</p>	<p>MISSED APPROACH: Climb to 1200 then climbing right turn to 4000 via heading 230° and CLT R-250 to STULL INT/CLT 13 DME and hold.</p>
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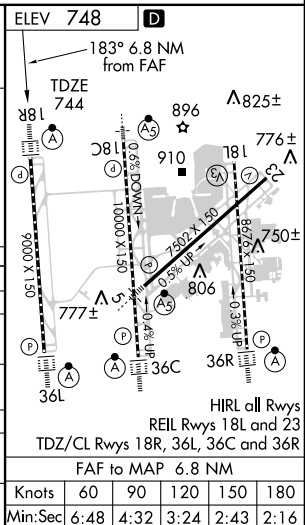
<p>ATIS ARR 121.15 DEP 132.1</p>	<p>CHARLOTTE APP CON (001°-119°) 128.32 (120°-245°) 120.05 (246°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8</p>	<p>CHARLOTTE TOWER (Rwys 18L-36R, 5-23) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8</p>	<p>GND CON (180°-359°) 121.8 348.6 (360°-179°) 121.9 348.6</p>	<p>CLNC DEL 127.15 348.6</p>
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*When assigned by ATC, intercept glidepath at 4000 or 5000 or 6000 or 7000.

RADAR REQUIRED



*When assigned by ATC, intercept glidepath at 4000 or 5000 or 6000 or 7000.				
	RUDKY I-RGS [20.7] RADAR	NELLA I-RGS [17.6] RADAR	WOVEN I-RGS [14.4] RADAR	EMERS I-RGS [11.3] RADAR
	JHUNT I-RGS [8.1] RADAR	CILOV I-RGS [3.4]	IM I-RGS [2.1]	I-RGS [1.3]
	#LOC only.			
	↑ hdg 230°			
	CLT R-250 STULL INT			
	*7000-183° *6000 *5000 *4000			
	GS 3.00° TCH 46			
	3.2 NM 3.2 NM 3.2 NM 3.2 NM 4.7 NM 1.3 NM 0.7 0.1			
CATEGORY	A	B	C	D
S-ILS 18R	944/18 200 (200-½)			
S-LOC 18R	1240/24	496 (500-½)	1240/40 496 (500-¾)	1240/50 496 (500-1)
CIRCLING	1240-1	492 (500-1)	1260-1½ 512 (600-1½)	1300-2 552 (600-2)
CLOV FIX MINIMUMS				
S-LOC 18R	1040/24	296 (300-½)	1040/40 296 (300-¾)	
CIRCLING	1240-1	492 (500-1)	1260-1½ 512 (600-1½)	1300-2 552 (600-2)



LOC/DME I-APU 109.5 Chan 32	APP CRS 235°	Rwy Idg TDZE Apt Elev 748	7502 747 748
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ILS or LOC RWY 23

CHARLOTTE/DOUGLAS INTL (CLT)

▼ Circling NA at night.
▲ DME or RADAR Required.

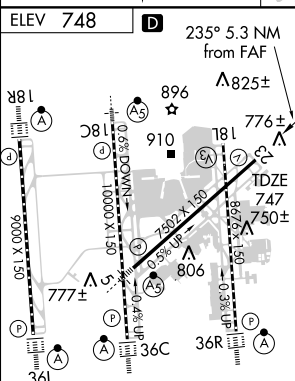
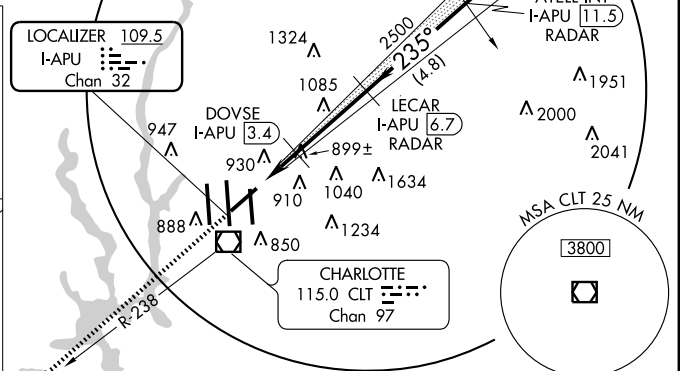
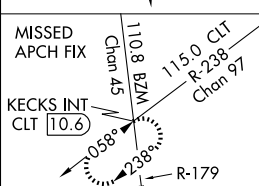
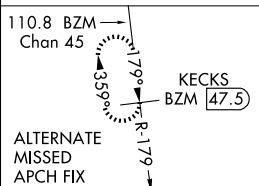
MISSED APPROACH: Climb to 4000 via heading 235° and CLT R-238 to KECKS INT/CLT 10.6 DME and hold, continue climb-in-hold to 4000.

ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			

RADAR REQUIRED

Λ 2343

2720 Λ
2749 Λ
2755 Λ

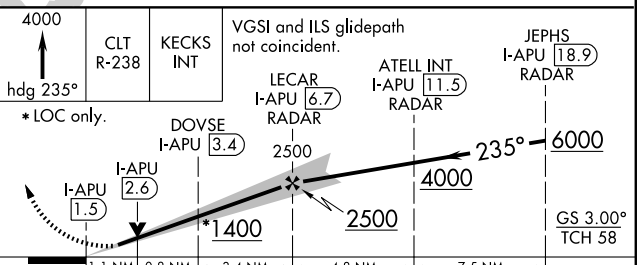


HIRL all Rwy's
REIL Rwy's 18L and 23
TDZ/CL Rwy's 18R, 36L, 36C and 36R

FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

CHARLOTTE, NORTH CAROLINA

Amdt 3 11FEB10



CATEGORY	A	B	C	D
S-ILS 23	947/40 200 (200-3/4)			
S-LOC 23	1400/50	653 (700-1)	1400-1 3/4 653 (700-1 3/4)	1400-2 653 (700-2)
CIRCLING	1400-1	652 (700-1)	1400-1 3/4 652 (700-1 3/4)	1400-2 652 (700-2)
DOVSE FIX MINIMUMS				
S-LOC 23	1160/50	413 (500-1)	1160/60	413 (500-1 1/4)
CIRCLING	1240-1	492 (500-1)	1260-1 1/2 512 (600-1 1/2)	1300-2 552 (600-2)

CHARLOTTE/DOUGLAS INTL (CLT)

ILS or LOC RWY 23

35°13'N-80°57'W

SE-2, 21 OCT 2010 to 18 NOV 2010

LOC I-DQG 111.7	APP CRS 003°	Rwy Idg TDZE 707 Apt Elev 748
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ILS or LOC RWY 36C

CHARLOTTE/DOUGLAS INTL (CLT)

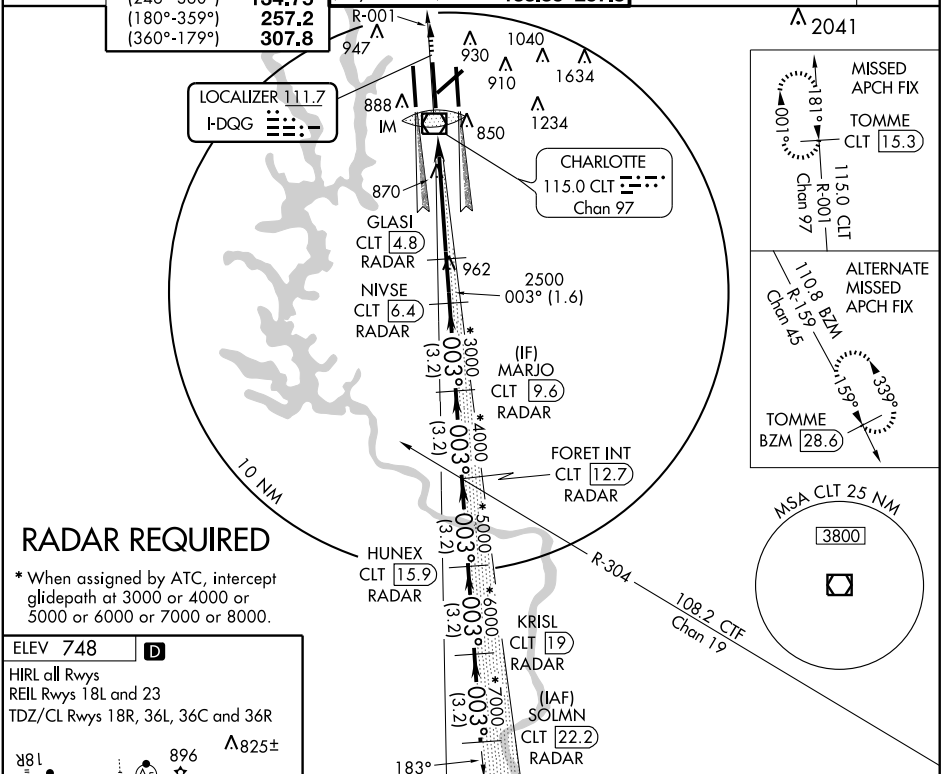
⚠ Circling NA at night. Simultaneous approach authorized with Rwy 36L/R. DME or RADAR Required. LOC procedure NA during simultaneous operations. DQG ILS ILZ Rwy 36C unusable for rollout guidance.

ALSF-2



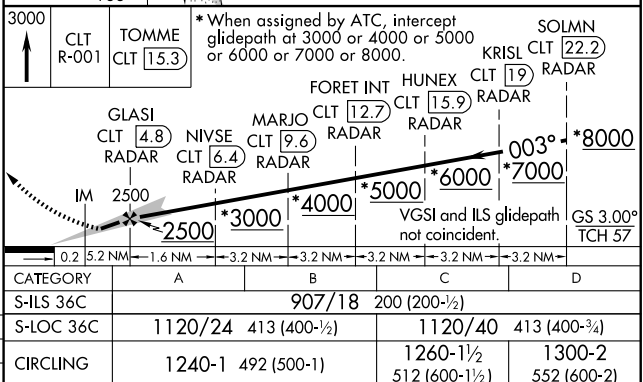
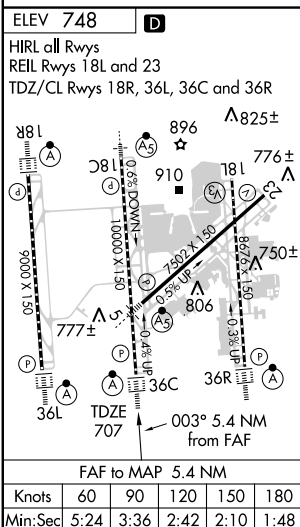
MISSED APPROACH: Climb to 3000 via CLT R-001 to TOMME/CLT 15.3 DME and hold.

ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			



RADAR REQUIRED

* When assigned by ATC, intercept glidepath at 3000 or 4000 or 5000 or 6000 or 7000 or 8000.



LOC/DME I-XUU 110.15 Chan 38 (Y)	APP CRS 003°	Rwy Idg TDZE 744 Apt Elev 748	9000
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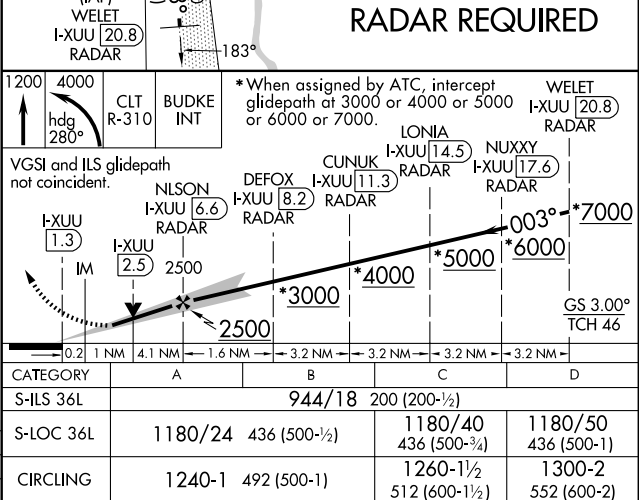
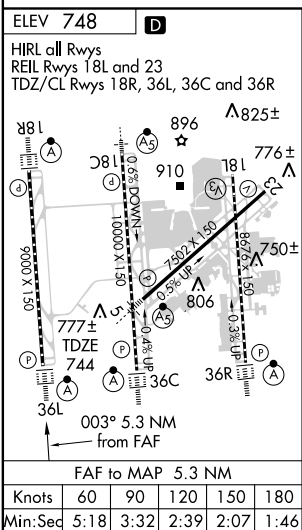
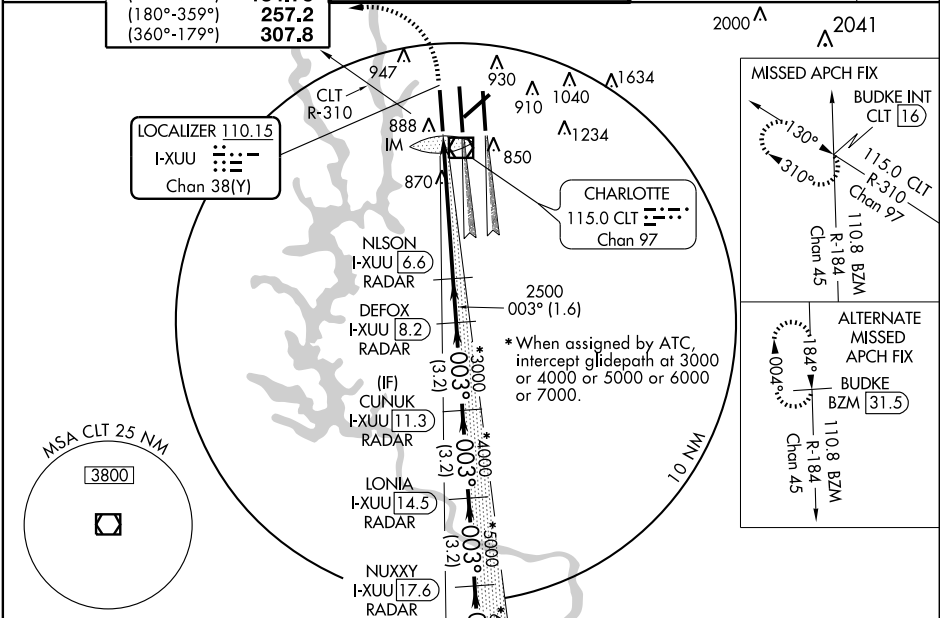
ILS or LOC RWY 36L CHARLOTTE/DOUGLAS INTL (CLT)

⚠ Circling NA at night. Simultaneous approach authorized with Rwy 36C/R. DME or RADAR Required.
LOC procedure NA during simultaneous operations.



MISSED APPROACH: Climb to 1200 then climbing left turn to 4000 via heading 280° and CLT R-310 to BUDKE INT/CLT 16 DME and hold.

ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			



LOC/DME I-BQC 108.9 Chan 26	APP CRS 003°	Rwy Idg TDZE Apt Elev	8676 727 748
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ILS or LOC RWY 36R

CHARLOTTE/DOUGLAS INTL (CLT)

⚠ Circling NA at night. Simultaneous approach authorized with Rwy 36L/C. DME or RADAR Required.
LOC procedure NA during simultaneous operations.

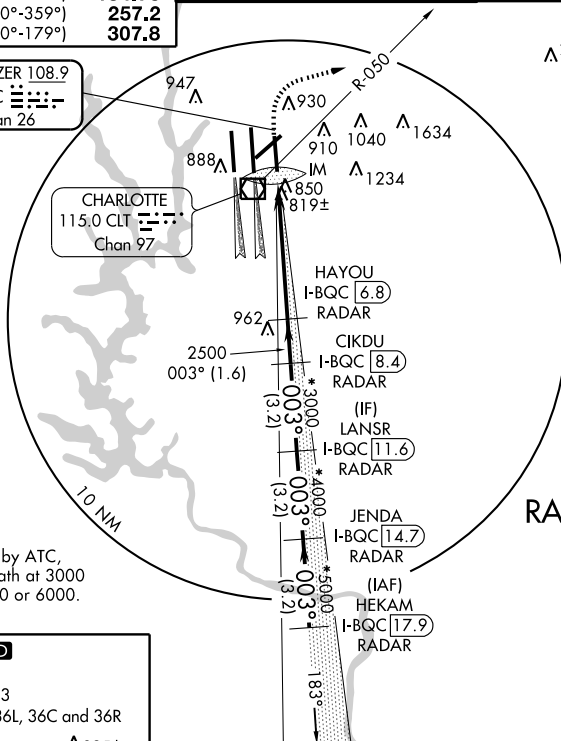


MISSED APPROACH: Climb to 1200 then climbing right turn to 4000 via heading 080° and CLT R-050 to EDDEL/CLT 16 DME and hold.

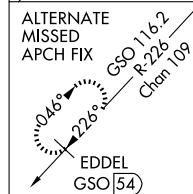
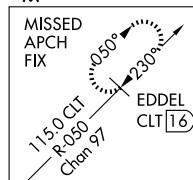
ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			

LOCALIZER 108.9
I-BQC
Chan 26

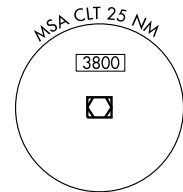
CHARLOTTE
115.0 CLT
Chan 97



* When assigned by ATC, intercept glidepath at 3000 or 4000 or 5000 or 6000.



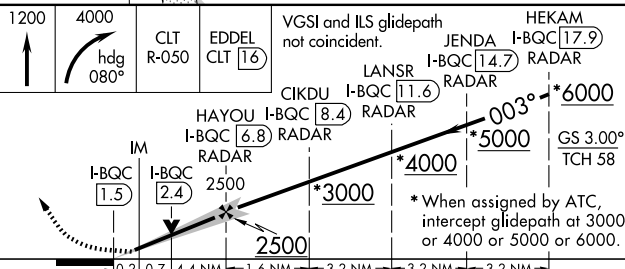
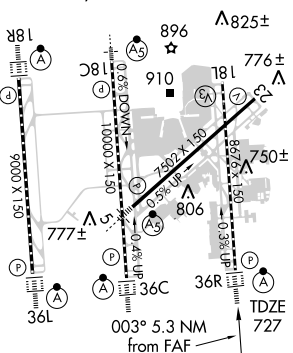
RADAR REQUIRED



ELEV 748



HIRL all Rwys
REIL Rws 18L and 23
TDZ/CL Rws 18R, 36L, 36C and 36R



CATEGORY	A	B	C	D
S-ILS 36R	927/18	200 (200-1/2)		
S-LOC 36R	1080/24	353 (400-1/2)		1080/40 353 (400-3/4)
CIRCLING	1240-1	492 (500-1)	1260-1 1/2 512 (600-1 1/2)	1300-2 552 (600-2)

LOC/DME I-RGS 110.15 Chan 38(Y)	APP CRS 183°	Rwy Idg TDZE Apt Elev	9000 744 748
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ILS RWY 18R (CAT II)

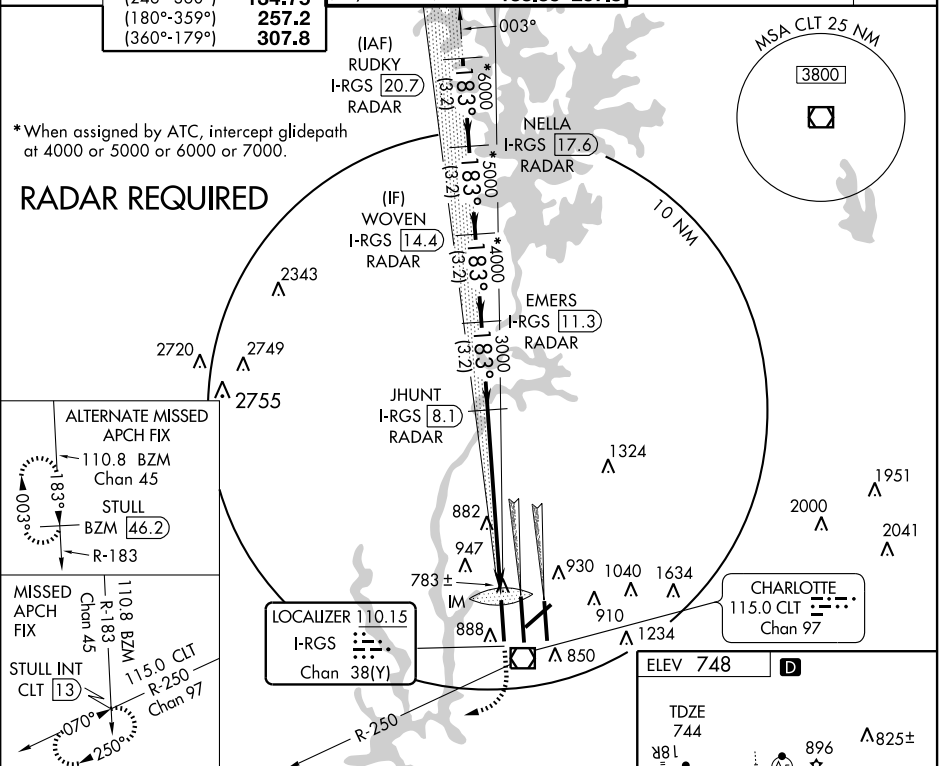
CHARLOTTE/DOUGLAS INTL (CLT)

Simultaneous approach authorized with Rwy 18L/C. DME or RADAR Required.	ALS-F2 	MISSED APPROACH: Climb to 1200 then climbing right turn to 4000 via heading 230° and CLT R-250 to STULL INT/CLT 13 DME and hold.
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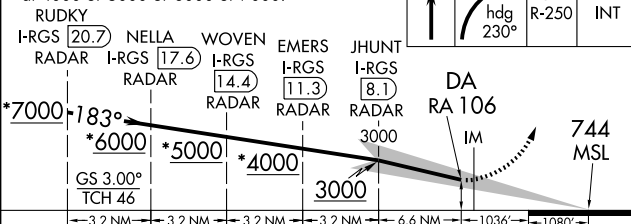
ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			

*When assigned by ATC, intercept glidepath at 4000 or 5000 or 6000 or 7000.

RADAR REQUIRED

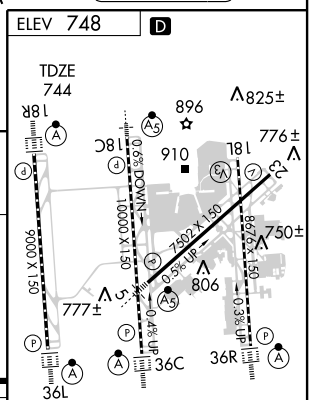


*When assigned by ATC, intercept glidepath at 4000 or 5000 or 6000 or 7000.



CATEGORY	A	B	C	D
S-ILS 18R				

CATEGORY II ILS SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED



HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R

LOC/DME I-RGS 110.15 Chan 38(Y)	APP CRS 183°	Rwy Idg TDZE Apt Elev	9000 744 748
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ILS RWY 18R (CAT III)

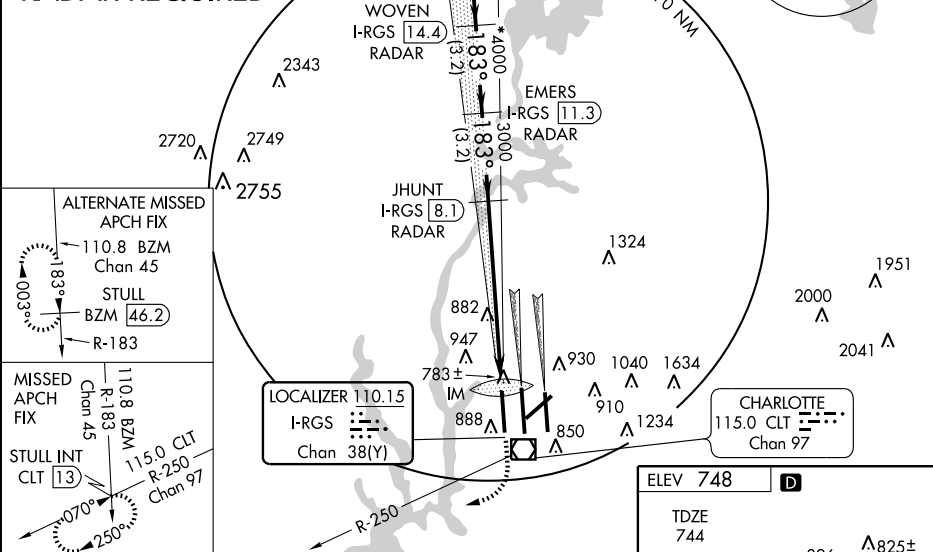
CHARLOTTE/DOUGLAS INTL (CLT)

Simultaneous approach authorized with Rwy 18L/C. DME or RADAR Required.	ALS-F-2 	MISSED APPROACH: Climb to 1200 then climbing right turn to 4000 via heading 230° and CLT R-250 to STULL INT/CLT 13 DME and hold.
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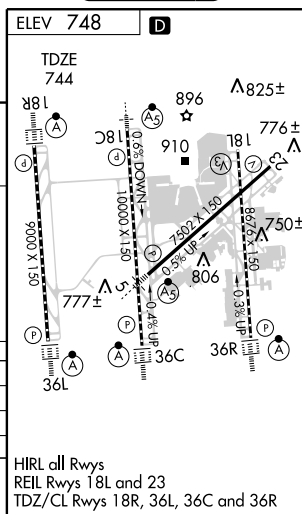
ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-245°) 120.05 (246°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R, 5-23) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON (180°-359°) 121.8 348.6 127.15 (360°-179°) 121.9 348.6 348.6	CLNC DEL 127.15 348.6
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*When assigned by ATC, intercept glidepath at 4000 or 5000 or 6000 or 7000.

RADAR REQUIRED



*When assigned by ATC, intercept glidepath at 4000 or 5000 or 6000 or 7000. RUDKY I-RGS 20.7 RADAR NELLA I-RGS 17.6 RADAR WOVEN I-RGS 14.4 RADAR EMERS I-RGS 11.3 RADAR JHUNT I-RGS 8.1 RADAR				1200 4000 CLT STULL INT
*7000 183° *6000 *5000 *4000 3000 GS 3.00° TCH 46				744 MSL 831 3000 4000 5000 6000
-3.2 NM - 3.2 NM - 3.2 NM - 6.7 NM - 790' - 1080'				
CATEGORY	A	B	C	D
S-ILS 18R			CAT IIIa RVR 07	
S-ILS 18R			CAT IIIb RVR 06	
S-ILS 18R			CAT IIIc NA	




HIRL all Rws
REIL Rws 18L and 23
TDZ/CL Rws 18R, 36L, 36C and 36R

ILS RWY 36C (CAT II)
CHARLOTTE/DOUGLAS INTL (CLT)

MISSED APPROACH: Climb to 3000 via CLT R-001 to TOMME/CLT 15.3 DME and hold.

CLNC DEL
127.15
348.6



RADAR REQUIRED

* When assigned by ATC, intercept glidepath at 3000 or 4000 or 5000 or 6000 or 7000 or 8000.

ELEV 748	D
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HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R

CHARLOTTE, NORTH CAROLINA
Amdt 16 11FEB10

*When assigned by ATC, intercept glidepath at 3000 or 4000 or 5000 or 6000 or 7000 or 8000.

3000 ↑ CLT R-001	TOMME CLT [15.3]	SOLMN CLT [22.2] RADAR
------------------------	---------------------	------------------------------

DH RA 126
707 MSL

GLASI CLT [4.8] RADAR
NIVSE CLT [6.4] RADAR
MARJO CLT [9.6] RADAR
FORET INT CLT [15.9] RADAR
KRISL CLT [19] RADAR

HUNEX CLT [15.9] RADAR

IM

2500
2500
3000
4000
5000
6000
7000
8000

003°

VGSI and ILS glidepath not coincident.

GS 3.00°
TCH 57'

960	1101	5.2	1.6 NM	3.2 NM	3.2 NM	3.2 NM	3.2 NM	3.2 NM	
CATEGORY	A		B		C		D		
S-ILS 36C	RA 126/12 100 DA 807								

**CATEGORY II ILS SPECIAL AIRCREW
& AIRCRAFT CERTIFICATION REQUIRED**

CHARLOTTE/DOUGLAS INTL (CLT)
ILS RWY 36C (CAT II)

SE-2. 21 OCT 2010 to 18 NOV 2010

LOC I-DQG <u>111.7</u>	APP CRS 003°	Rwy Idg 10000 TDZE 707 Apt Elev 748
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ILS RWY 36C (CAT III)
CHARLOTTE/DOUGLAS INTL (CLT)

T Simultaneous approach authorized with Rwy 36L/R.
DME or RADAR Required. DQG ILS LLZ Rwy 36C
unusable for rollout guidance.

ALSF-2

MISSED APPROACH: Climb to 3000 via CLT R-001 to TOMME/CLT 15.3 DME and hold.

ATIS
ARR 121.15
DEP 132.1

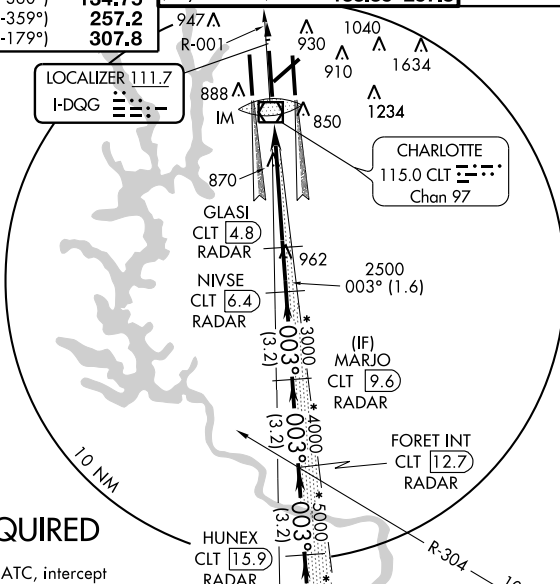
001°-119°)	128.3
120°-245°)	120.0
246°-360°)	134.7
180°-359°)	257.5
360°-179°)	307.5

CHARLOTTE TOWER		
(Rwys 18L-36R, 5-23)	118.1	257.8
(Rwy 18C-36C)	126.4	257.8
(Rwy 18R-36L)	133.35	257.8

GND CON		
(180°-359°)	121.8	348.6
(360°-179°)	121.9	348.6

CLNC DEL
127.15
348.6

LOCALIZER 111.7
I-DQG $\ddot{::}::_$



Λ 2041

MISSED
APCH FIX
TOMME
CLT 15.3

Chc 110.8 R-10.8
ALTERNATE
MISSED
APCH FIX

TOMME
B7M 28.6

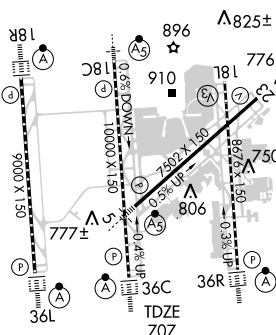
MSA CLT 25 NM

RADAR REQUIRED

* When assigned by ATC, intercept glidepath at 3000 or 4000 or 5000 or 6000 or 7000 or 8000.

ELEV 748

D



HIRL all Rwy's
REIL Rwy's 18L and 23
TDZ/CL Rwy's 18R, 36L, 36C and 36R

CHARLOTTE, NORTH CAROLINA

Amdt 16 11FEB10

3000
↑
CLT R-001 TOMME CLT 15.3 *When assigned by ATC, intercept glidepath at 3000 or 4000 or 5000 or 6000 or 7000 or 8000. HUNEX CLT 19.0 KRISL CLT 19.0 SOLMN CLT 22.2
GLASI CLT 4.8 NIVSE CLT 9.6 MARIO CLT 12.7 FORE INT CLT 15.9 RADAR RADAR
707 MSL IM 2500 809 2500 3000 4000 5000 6000 7000 8000
RADAR CLT 6.4 RADAR RADAR
VGSJ and ILS glidepath not coincident. GS 3.00% 300.67

1601	1139	5.2	1.6 NM	3.2 NM	3.2 NM	3.2 NM	3.2 NM	3.2 NM	ICF 37
CATEGORY	A		B		C		D		
S-ILS 36C			CAT IIIa		RVR 07				
S-ILS 36C			CAT IIIb		RVR 06				
S-ILS 36C			CAT IIIc		NA				

**CATEGORY III ILS - SPECIAL AIRCREW
& AIRCRAFT CERTIFICATION REQUIRED**

CHARLOTTE/DOUGLAS INTL (CLT)

ILS RWY 36C (CAT III)

35°13'N-80°57'W

SE-2. 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

LOC/DME I-XUU 110.15 Chan 38 (Y)	APP CRS 003°	Rwy Idg 9000 TDZE 744 Apt Elev 748
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ILS RWY 36L (CAT II)
CHARLOTTE/DOUGLAS INTL (CLT)

**Simultaneous approach authorized with Rwy 36C/R.
DME or RADAR Required.**

ALSF-2


MISSED APPROACH: Climb to 1200 then climbing left turn to 4000 via heading 280° and CLT R-310 to BUDKE INT/CLT 16 DME and hold.

ATIS	CHARLOTTE APP CON	
ARR 121.15	(001°-119°)	128.32
DEP 132.1	(120°-245°)	120.05
	(246°-360°)	134.75
	(180°-359°)	257.2
	(360°-179°)	307.8

CHARLOTTE TOWER		
(Rwys 18L-36R, 5-23)	118.1	257.8
(Rwy 18C-36C)	126.4	257.8
(Rwy 18R-36L)	133.35	257.8

GND CON			CLNC DEL
(180°-359°)	121.8	348.6	127.15
(360°-179°)	121.9	348.6	348.6

LOCALIZER 110.15
I-XUU $\begin{smallmatrix} \cdot & \cdot \\ \cdot & \cdot \\ \cdot & \cdot \\ \cdot & \cdot \end{smallmatrix} -$
Class 28(Y)

CHARLOTTE
15.0 CLT 
Chan 97

MISSED APCH FIX

MISSED APCH FIX

BUDKE INT
CLT 16

130°
310°

115.0 CLT
R-310
Chan 97

ALTERNATE
MISSED
APCH FIX

184°

004°

BUDKE
BZM 31.5

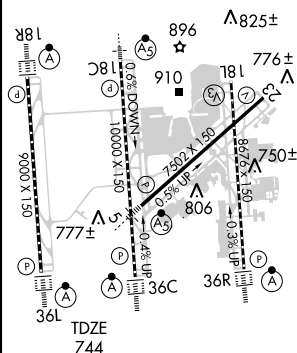
MSA CLI 25 NM

3800

ELEV 748

D

RADAR REQUIRED

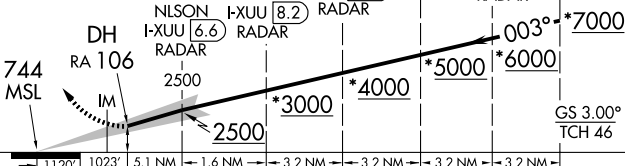


1200	4000	CLT R-310	BUDKE INT
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*When assigned by ATC, intercept glidepath at 3000 or 4000 or 5000 or 6000 or 7000.

WELET
I-XUU 20.8
RADAR

VGSI and ILS glidepath not coincident.



CATEGORY	A	B	C	D
S-ILS 36L	RA 106/12 100 DA 844			

CATEGORY II ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

CHARLOTTE, NORTH CAROLINA
Orig 11FEB10

CHARLOTTE/DOUGLAS INTL (CLT)
ILS RWY 36L (CAT II)

35°13'N-80°57'W

SE-2. 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

LOC/DME I-XUU
110.15
Chan **38**(Y)

APP CRS
003°

Rwy Idg **9000**
TDZE **744**
Apt Elev **748**

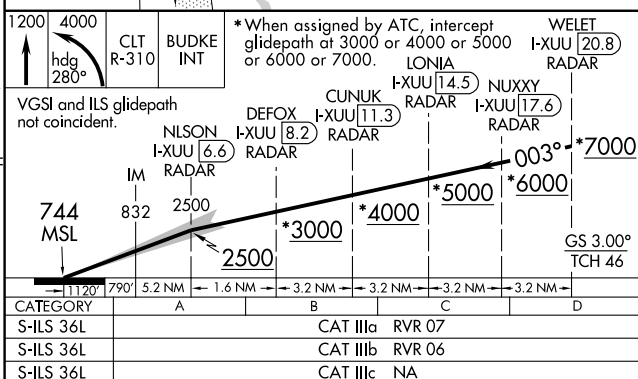
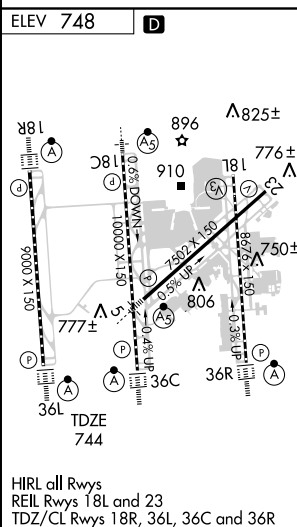
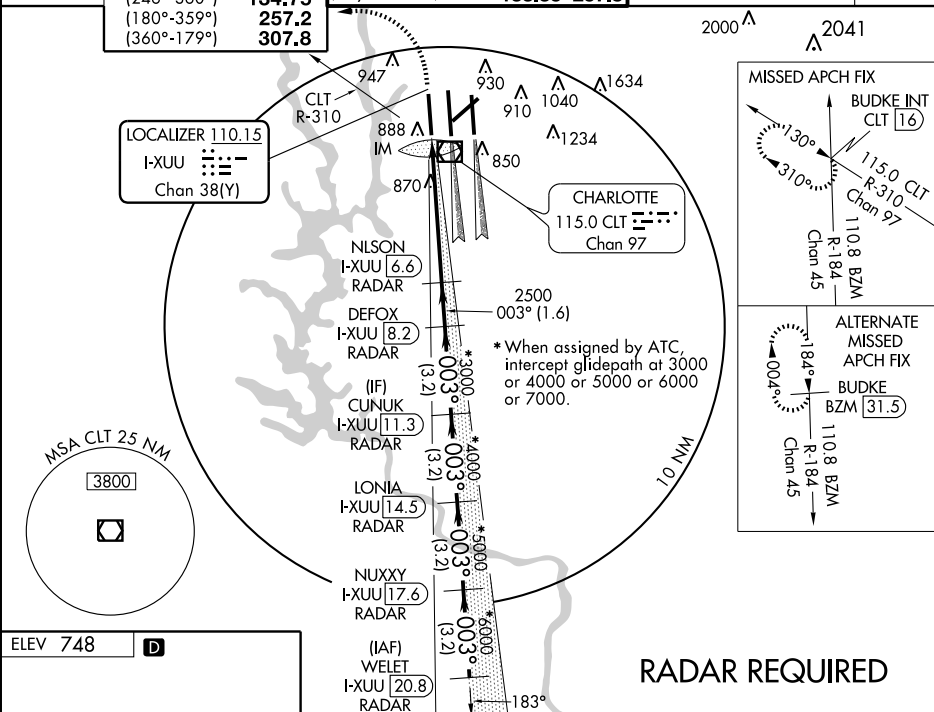
ILS RWY 36L (CAT III)
CHARLOTTE/DOUGLAS INTL (CLT)

Simultaneous approach authorized with Rwy 36C/R.
DME or RADAR Required.

ALSF-2
A

MISSED APPROACH: Climb to 1200 then climbing
left turn to 4000 via heading 280° and CLT R-310
to BUDKE INT/CLT 16 DME and hold.

ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			



**CATEGORY III ILS - SPECIAL AIRCREW
& AIRCRAFT CERTIFICATION REQUIRED**

LOC/DME I-BQC <u>108.9</u> Chan 26	APP CRS 003°	Rwy Idg 8676 TDZE 727 Apt Elev 748
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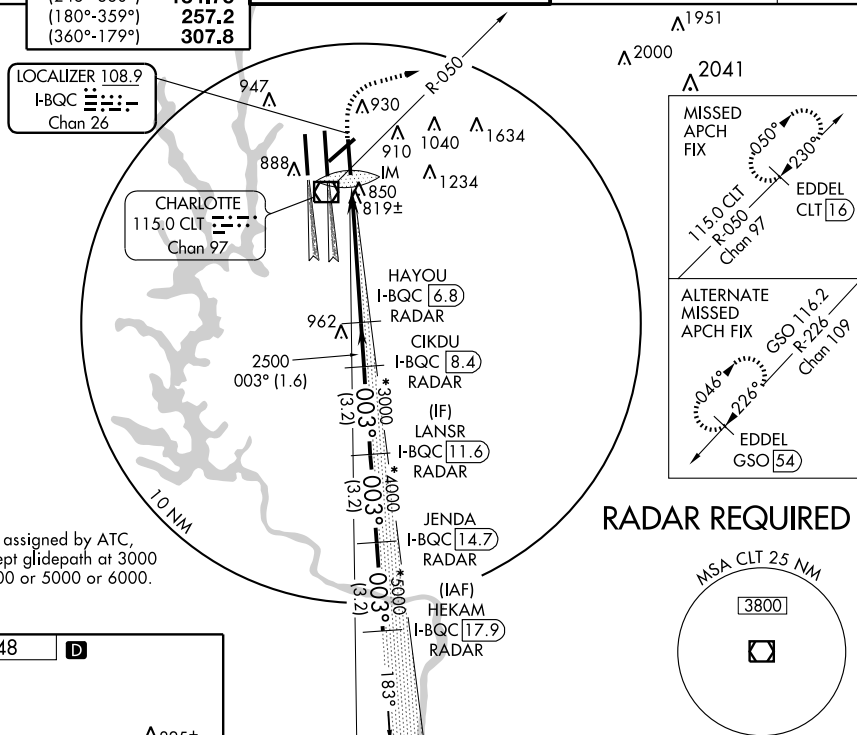
ILS RWY 36R (CAT II)
CHARLOTTE/DOUGLAS INTL (CLT)

T Simultaneous approach authorized with Rwy 36L/C.
DME or RADAR Required.

ALSF-2

MISSED APPROACH: Climb to 1200 then climbing right turn to 4000 via heading 080° and CLT R-050 to EDDEL/CLT 16 DME and hold.

ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		



* When assigned by ATC, intercept glidepath at 3000 or 4000 or 5000 or 6000.

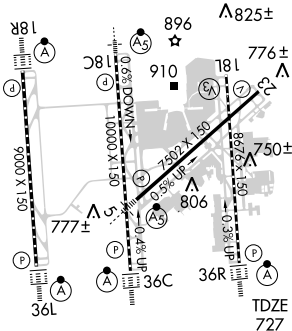
RADAR REQUIRED

MSA CLI 23 NM

3800

ELEV 748

D



HIRL all Rwy's
REIL Rwy's 18L and 23
TDZ/CL Rwy's 18R, 36L, 36C and 36R

[illegible]

CATEGORY II ILS SPECIAL AIRCREW
& AIRCRAFT CERTIFICATION REQUIRED

LOC/DME I-BQC 108.9 Chan 26	APP CRS 003°	Rwy Idg TDZE Apt Elev	8676 727 748
---	------------------------	-----------------------------	---

ILS RWY 36R (CAT III)

CHARLOTTE/DOUGLAS INTL (CLT)

Simultaneous approach authorized with Rwy 36L/C.
DME or RADAR Required.

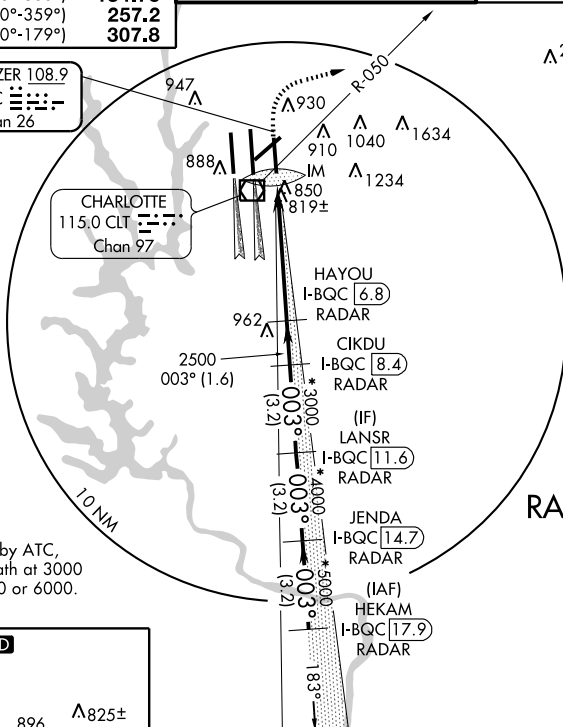


MISSED APPROACH: Climb to 1200 then
climbing right turn to 4000 via heading 080°
and CLT R-050 to EDEEL/CLT 16 DME and hold.

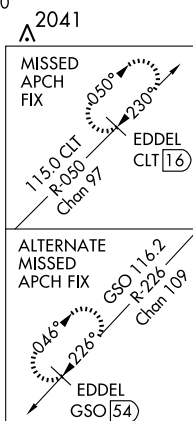
ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			

LOCALIZER **108.9**
I-BQC
Chan 26

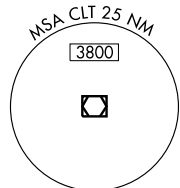
CHARLOTTE
115.0 CLT
Chan 97



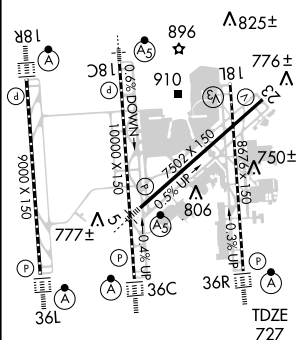
* When assigned by ATC,
intercept glidepath at 3000
or 4000 or 5000 or 6000.



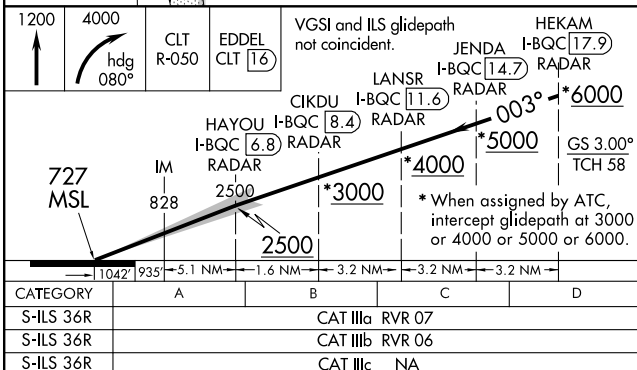
RADAR REQUIRED



ELEV **748**



HIRL all Rws
REIL Rws 18L and 23
TDZ/CL Rws 18R, 36L, 36C and 36R



CATEGORY	A	B	C	D
S-ILS 36R		CAT IIIa RVR 07		
S-ILS 36R		CAT IIIb RVR 06		
S-ILS 36R		CAT IIIc NA		

CATEGORY III ILS SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

JACAL FIVE DEPARTURE (RNAV)

ATIS DEP

132.1

CHARLOTTE TOWER

118.1 257.8 (Rwys 18L-36R, 5-23)

126.4 257.8 (Rwy 18C-36C)

133.35 257.8 (Rwy 18R-36L)

GND CON

121.8 348.6 (180° - 359°)

121.9 348.6 (360° - 179°)

CLNC DEL

127.15 348.6

CHARLOTTE DEP CON

120.5 257.2

TAKE-OFF MINIMUMS:

Rwys 5, 18L, 18C, 18R, 23, 36R, 36C, 36L:

Standard with minimum climb of 500' per

NM to 1260.

NALEY

10700

JOTTA

6900

*3600

013°

(18)

013°

(20)

NOTE: For Turbojets only.

NOTE: If unable to accept minimum climb rates, advise ATC on initial contact.

NOTE: Transponder code will be issued via PDC or Charlotte CLNC DEL.

NOTE: DME/DME/IRU or GPS Required.

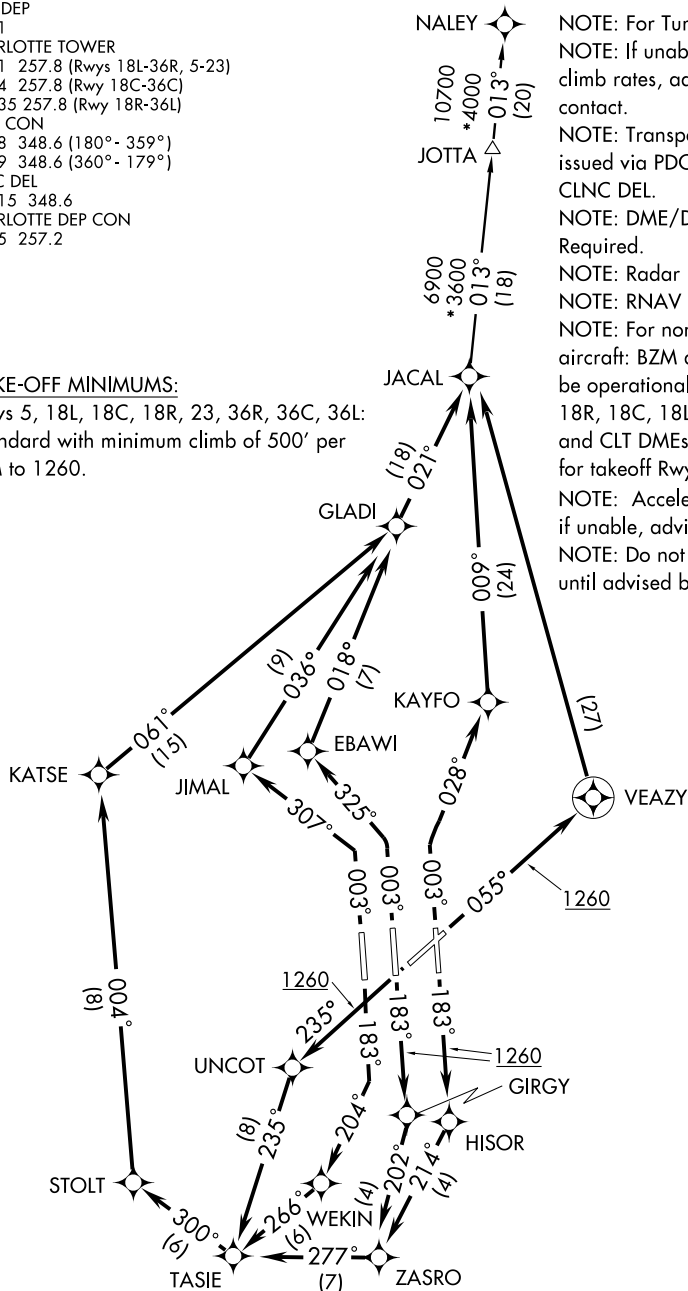
NOTE: Radar Required.

NOTE: RNAV 1.

NOTE: For non-GPS equipped aircraft: BZM and CLT DMEs must be operational for takeoff Rwy 5, 18R, 18C, 18L, 23, 36R. LIB, BZM and CLT DMEs must be operational for takeoff Rwy 36C, 36L.

NOTE: Accelerate to 250 KIAS, if unable, advise ATC.

NOTE: Do not exceed 280 KIAS until advised by ATC.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

JACAL FIVE DEPARTURE (RNAV)

(JACAL5.JACAL) 10042

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 5: Climb heading 055° to 1260, then direct VEAZY, then left turn direct JACAL, Thence....

TAKE-OFF RWY 18L: Climb heading 183° to 1260, then direct HISOR, then via depicted route to JACAL, thence....

TAKE-OFF RWY 18C: Climb heading 183° to 1260, then direct GIRGY, then via depicted route to JACAL, thence....

TAKE-OFF RWY 18R: Climb heading 183° to intercept course 204° to WEKIN, then via depicted route to JACAL, thence....

TAKE-OFF RWY 23: Climb heading 235° to 1260, then direct UNCOT, then via depicted route to JACAL, Thence....

TAKE-OFF RWY 36R: Climb heading 003° to intercept course 028° to KAYFO, then via depicted route to JACAL, thence....

TAKE-OFF RWY 36C: Climb heading 003° to intercept course 325° to EBAWI, then via depicted route to JACAL, thence....

TAKE-OFF RWY 36L: Climb heading 003° to intercept course 307° to JIMAL, then via depicted route to JACAL, thence....

....Maintain 8000. Expect clearance to filed altitude within 10 minutes after departure.

NALEY TRANSITION (JACAL5.NALEY):

TAKEOFF OBSTACLES:

RWY 5: Trees beginning 1031' from DER, 480' left of centerline, up to 127' AGL/856' MSL.

RWY 18L: Tower and pole beginning 981' from DER, 708' left of centerline, up to 160' AGL/850' MSL.

Trees beginning 1235' from DER, 707' right of centerline, up to 88' AGL/767' MSL.

RWY 18C: Trees beginning 1688' from DER, 735' left of centerline, up to 108' AGL/787' MSL.

Trees beginning 3251' from DER, 995' right of centerline, up to 102' AGL/841' MSL.

RWY 23: Trees beginning 3899' from DER, 216' left of centerline, up to 99' AGL/818' MSL.

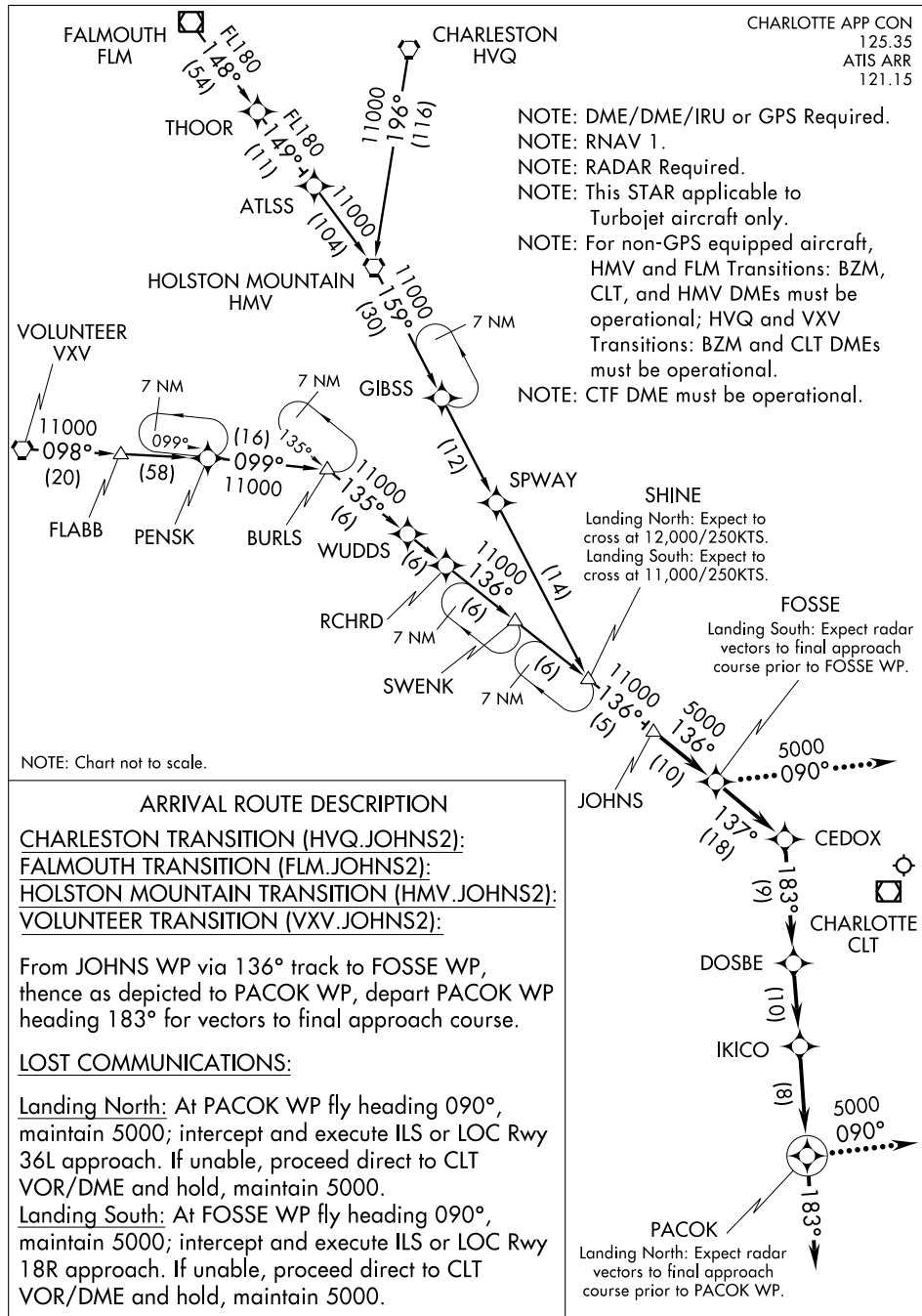
Trees beginning 1491' from DER, 603' right of centerline, up to 74' AGL/823' MSL.

RWY 36C: Trees beginning 1937' from DER, 725' left of centerline, up to 54' AGL/823' MSL.

Trees beginning 1420' from DER, 309' right of centerline, up to 114' AGL/823' MSL.

RWY 36R: Pole and trees beginning 713' from DER, 416' left of centerline, up to 94' AGL/853' MSL.

Railroad, antenna, poles and trees beginning 471' from DER, 93' right of centerline, up to 93' AGL/852' MSL.

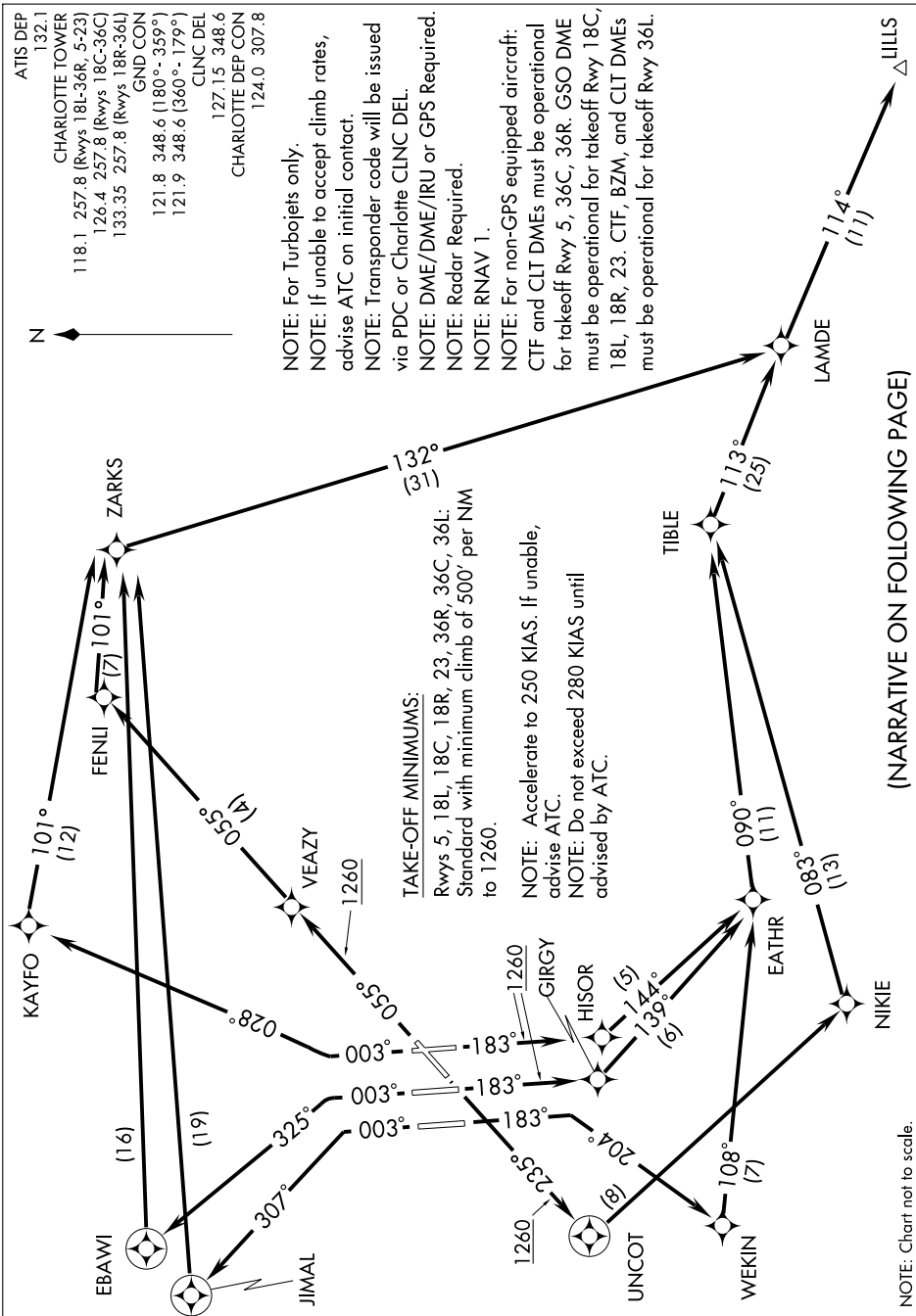


SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

LILLS FIVE DEPARTURE (RNAV)

SL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

(NARRATIVE ON FOLLOWING PAGE)

SE-2, 21 OCT 2010 to 18 NOV 2010

LILLS FIVE DEPARTURE (RNAV)

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

LILLS FIVE DEPARTURE (RNAV)

DEPARTURE ROUTE DESCRIPTION

▼
TAKE-OFF RWY 5: Climb heading 055° to 1260, then direct VEAZY, then via depicted route to LAMDE, thence....

TAKE-OFF RWY 18L: Climb heading 183° to 1260, then direct HISOR, then via depicted route to LAMDE, thence....

TAKE-OFF RWY 18C: Climb heading 183° to 1260, then direct GIRGY, then via depicted route to LAMDE, thence....

TAKE-OFF RWY 18R: Climb heading 183° to intercept course 204° to WEKIN, then left turn via track 108° to EATHR, then via depicted route to LAMDE, thence....

TAKE-OFF RWY 23: Climb heading 235° to 1260, then direct UNCOT, then left turn direct NIKIE, then via depicted route to LAMDE, thence....

TAKE-OFF RWY 36R: Climb heading 003° to intercept course 028° to KAYFO, then via depicted route to LAMDE, thence....

TAKE-OFF RWY 36C: Climb heading 003° to intercept course 325° to EBAWI, then right turn direct ZARKS, then via depicted route to LAMDE, thence....

TAKE-OFF RWY 36L: Climb heading 003° to intercept course 307° to JIMAL, then right turn direct ZARKS, then via depicted route to LAMDE, thence....

....via depicted route to LILLS. Maintain 8000. Expect clearance to filed altitude within 10 minutes after departure.

TAKEOFF OBSTACLES:

RWY 5: Trees beginning 1031' from DER, 480' left of centerline, up to 127' AGL/856' MSL.

RWY 18L: Tower and pole beginning 981' from DER, 708' left of centerline, up to 160' AGL/850' MSL.

Trees beginning 1235' from DER, 707' right of centerline, up to 88' AGL/767' MSL.

RWY 18C: Trees beginning 1688' from DER, 735' left of centerline, up to 108' AGL/787' MSL.

Trees beginning 3251' from DER, 995' right of centerline, up to 102' AGL/841' MSL.

RWY 23: Trees beginning 3899' from DER, 216' left of centerline, up to 99' AGL/818' MSL.

Trees beginning 1491' from DER, 603' right of centerline, up to 74' AGL/823' MSL.

RWY 36C: Trees beginning 1937' from DER, 725' left of centerline, up to 54' AGL/823' MSL.

Trees beginning 1420' from DER, 309' right of centerline, up to 114' AGL/823' MSL.

RWY 36R: Pole and trees beginning 713' from DER, 416' left of centerline, up to 94' AGL/853' MSL.

Railroad, antenna, poles and trees beginning 471' from DER, 93' right of centerline, up to 93' AGL/852' MSL.

MAJIC ONE ARRIVAL

CHARLOTTE, NORTH CAROLINA

CHARLOTTE/DOUGLAS
 ATIS ARR 121.15
 CHARLOTTE APP CON
 (001° -119°) **128.32**
 (120° -245°) **120.05**
 (246° -360°) **134.75**
 (180° -359°) **257.2**
 (360° -179°) **307.8**

ROANOKE
 109.4 ROA
 Chan 31
 N37°20.61' - W80°04.23'
 L-26, H-10-12

MAYOS
 N36°19.59' - W79°59.79'
TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
 Expect to cross at FL220.

MAJIC
 N35°48.71' - W80°26.17'
TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
 Expect to cross at 13,000'/250K.

LYNCHBURG
 109.2 LYH
 Chan 29
 N37°15.28' - W79°14.19'
 L-26-36, H-10-12

KELLS
 N36°35.17' - W79°47.17'

RALEIGH/DURHAM
 117.2 RDU
 Chan 119
 N35°52.35' - W78°47.00'
 L-36, H-9-12

SUDSY
 N35°44.58' - W80°29.63'

LINCOLNTON-
 LINCOLN COUNTY
 RGNL

SHELBY-
 CLEVELAND
 COUNTY RGNL

GASTONIA
 MUNI

ROCK HILL/YORK
 COUNTY/BRYANT
 FIELD

CHESTER CATAWBA
 RGNL

NOTE: Chart not to scale.

CLT
 10

CHARLOTTE
 DOUGLAS
 INTL

CLT
 5

CHARLOTTE
 115.0 CLT
 Chan 97
 N35°11.42' - W80°57.11'

CHARLOTTE-MONROE
 EXECUTIVE

JAARS-
 TOWNSEND

LANCASTER COUNTY-
 McWHIRTER FIELD

GIZMO
 N35°32.99' - W80°39.29'

ANSON COUNTY -
 JEFF CLOUD
 FIELD

LIBERTY
 113.0 LIB
 Chan 77
 N35°48.70' - W79°36.76'

NOTE: DME required.
 NOTE: RADAR required for LIB R-273.
 NOTE: Landing other than Charlotte/
 Douglas Intl; expect radar
 vectors to destination airport
 or final approach course prior
 to CLT 10 DME fix.

LIBERTY TRANSITION (LIB.MAJIC1): From over LIB VORTAC via LIB R-273
 to MAJIC INT. Thence. . .

LYNCHBURG TRANSITION (LYH.MAJIC1): From over LYH VORTAC via LYH R-219
 and CLT R-039 to MAJIC INT. Thence. . .

ROANOKE TRANSITION (ROA.MAJIC1): From over ROA VORTAC via ROA R-181
 and CLT R-039 to MAJIC INT. Thence. . .

. . . .From over MAJIC via CLT R-039 to:

LANDING NORTH: CLT VOR/DME. Expect radar vectors to final approach course prior
 to the CLT 5 DME fix.

LANDING SOUTH: GIZMO. Expect radar vectors to final approach course.

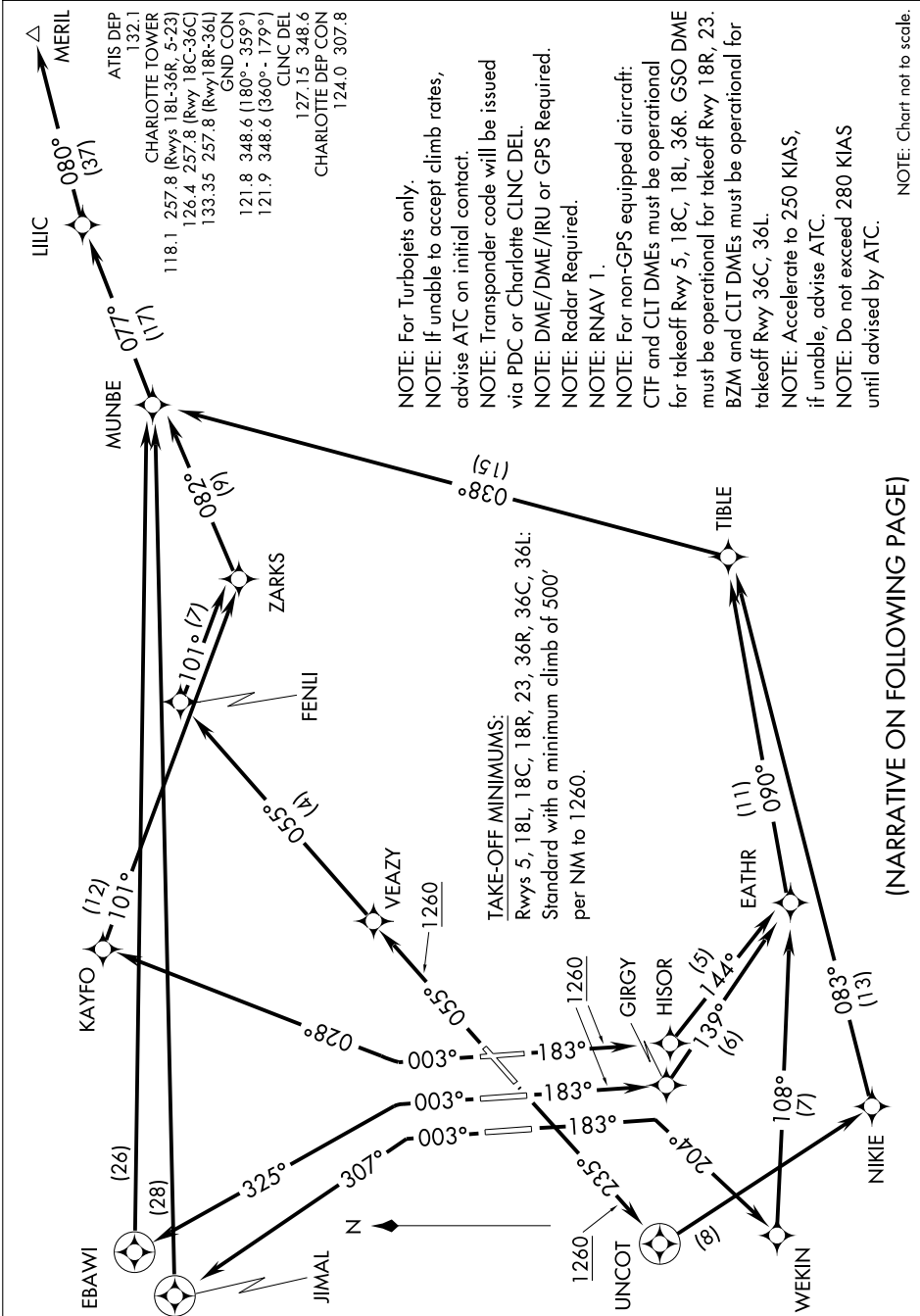
MAJIC ONE ARRIVAL

CHARLOTTE, NORTH CAROLINA

MERIL FIVE DEPARTURE (RNAV)

SL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA



MERIL FIVE DEPARTURE (RNAV)

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 5: Climb heading 055° to 1260, then direct VEAZY, then via depicted route to MUNBE, thence....

TAKE-OFF RWY 18L: Climb heading 183° to 1260, then direct HISOR, then via depicted route to MUNBE, thence....

TAKE-OFF RWY 18C: Climb heading 183° to 1260, then direct GIRGY, then via depicted route to MUNBE, thence....

TAKE-OFF RWY 18R: Climb heading 183° to intercept course 204° to WEKIN, then left turn via track 108° to EATHR, then via depicted route to MUNBE, thence....

TAKE-OFF RWY 23: Climb heading 235° to 1260, then direct UNCOT, then left turn direct NIKIE, then via depicted route to MUNBE, thence....

TAKE-OFF RWY 36R: Climb heading 003° to intercept course 028° to KAYFO, then via depicted route to MUNBE, thence....

TAKE-OFF RWY 36C: Climb heading 003° to intercept course 325° to EBAWI, then right turn direct MUNBE, thence....

TAKE-OFF RWY 36L: Climb heading 003° to intercept course 307° to JIMAL, then right turn direct MUNBE, thence....

....via depicted route to MERIL. Maintain 8000. Expect clearance to filed altitude within 10 minutes after departure.

TAKEOFF OBSTACLES:

RWY 5: Trees beginning 1031' from DER, 480' left of centerline, up to 127' AGL/856' MSL.

RWY 18L: Tower and pole beginning 981' from DER, 708' left of centerline, up to 160' AGL/850' MSL.

Trees beginning 1235' from DER, 707' right of centerline, up to 88' AGL/767' MSL.

RWY 18C: Trees beginning 1688' from DER, 735' left of centerline, up to 108' AGL/787' MSL.

Trees beginning 3251' from DER, 995' right of centerline, up to 102' AGL/841' MSL.

RWY 23: Trees beginning 3899' from DER, 216' left of centerline, up to 99' AGL/818' MSL.

Trees beginning 1491' from DER, 603' right of centerline, up to 74' AGL/823' MSL.

RWY 36C: Trees beginning 1937' from DER, 725' left of centerline, up to 54' AGL/823' MSL.

Trees beginning 1420' from DER, 309' right of centerline, up to 114' AGL/823' MSL.

RWY 36R: Pole and trees beginning 713' from DER, 416' left of centerline, up to 94' AGL/853' MSL.

Railroad, antenna, poles and trees beginning 471' from DER, 93' right of centerline, up to 93' AGL/852' MSL.

PANTHER ONE DEPARTURE

SL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

NOTE: Chart not to scale.

ATIS DEP

132.1

CLNC DEL

127.15 348.6

GND CON

121.8 348.6 (180°-359°)

121.9 348.6 (360°-179°)

CHARLOTTE TOWER

133.35 257.8 (Rwy 18R-36L)

118.1 257.8 (Rwy 18L-36R, 5-23)

126.4 257.8 (Rwy 18C-36C)

CHARLOTTE DEP CON

124.0 307.8

CHARLOTTE
115.0 CLT
Chan 97

N35°11.42' W80°57.11'

ANDYS
N34°22.25'
W81°08.63'COLLIERS
113.9 IRQ
Chan 86TREAL
N33°04.18'
W81°26.46'DUNKN
N31°58.70'
W81°57.93'TAYLOR
112.9 TAY
Chan 76
N30°30.28'
W82°33.17'
L-21-24, H-8SAVANNAH
115.95 SAV
Chan 106 (Y)CRAIG
114.5 CRG
Chan 92SANDHILLS
111.8 SDZ
Chan 55FAYETTEVILLE
108.8 FAY
Chan 25FLORENCE
115.2 FLO
Chan 99COLUMBIA
114.7 CAE
Chan 94
N33°51.43'
W81°03.23'
L-24, H-9-12TAKEOFF MINIMUMS:
Rwys 5, 18R, 18C, 18L, 23,
36C, 36R: Standard.
Rwy 36L: Standard with
minimum climb of 215'
per NM to 3500.

NOTE: For Turbojets only.

NOTE: Radar and DME Required.

NOTE: Transponder code will be issued via PDC or
Charlotte Clearance Delivery.

NOTE: Accelerate to 250 KIAS, if unable, advise ATC.

NOTE: Do not exceed 280 KIAS until advised by ATC.

(NARRATIVE ON FOLLOWING PAGE)

PANTHER ONE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb heading 055°, Thence....

TAKEOFF RUNWAY 18R: Climbing right turn heading 200°, Thence....

TAKEOFF RUNWAY 18C: Climb heading 183° until passing CLT VOR/DME
1.6 DME, then turn right heading 200°, Thence....

TAKEOFF RUNWAY 18L: Climb heading 183°, Thence....

TAKEOFF RUNWAY 23: Climb heading 235°, Thence....

TAKEOFF RUNWAY 36L: Climbing left turn heading 315°, Thence....

TAKEOFF RUNWAY 36C: Climbing left turn heading 330°, Thence....

TAKEOFF RUNWAY 36R: Climbing right turn heading 025°, Thence....

....Expect radar vectors to intercept filed/assigned transition or enroute
fix/navaid. Maintain 8000, expect filed altitude/flight level 10 minutes
after departure.

ANDYS TRANSITION (PAN1.ANDYS): From over CLT VOR/DME via CLT R-196
to ANDYS.

COLUMBIA TRANSITION (PAN1.CAE): From over CLT VOR/DME via CLT R-180
and CAE R-014 to CAE VORTAC.

LILLS TRANSITION (PAN1.LILLS): From over CLT VOR/DME via CLT R-112 to
LILLS.

TAYLOR TRANSITION (PAN1.TAY): From over CLT VOR/DME via CLT R-196
to TREAL, then via CAE R-205 to DUNKN and TAY R-022 to TAY VORTAC.

TAKEOFF OBSTACLE NOTES:

Rwy 5: Trees beginning 1031' from DER, 480' left of centerline, up to 127' AGL/856' MSL.

Rwy 18L: Tower and pole beginning 981' from DER, 708' left of centerline, up to 160' AGL/850' MSL.

Trees beginning 1235' from DER, 707' right of centerline, up to 88' AGL/767' MSL.

Rwy 18C: Trees beginning 1688' from DER, 735' left of centerline, up to 108' AGL/787' MSL.

Trees beginning 3251' from DER, 995' right of centerline, up to 102' AGL/841' MSL.

Rwy 23: Trees beginning 3899' from DER, 216' left of centerline, up to 99' AGL/818' MSL.

Trees beginning 1491' from DER, 603' right of centerline, up to 74' AGL/823' MSL.

Rwy 36C: Trees beginning 1937' from DER, 725' left of centerline, up to 54' AGL/823' MSL.

Trees beginning 1420' from DER, 309' right of centerline, up to 114' AGL/823' MSL.

Rwy 36R: Pole and trees beginning 713' from DER, 416' left of centerline, up to 94' AGL/853' MSL.

Railroad, antenna, poles and trees beginning 471' from DER, 93' right of centerline,
up to 93' AGL/852' MSL.

WAAS CH 70300 W05A	APP CRS 055°	Rwy Idg 7092 TDZE 716 Apt Elev 748
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RNAV (GPS) Y RWY 5

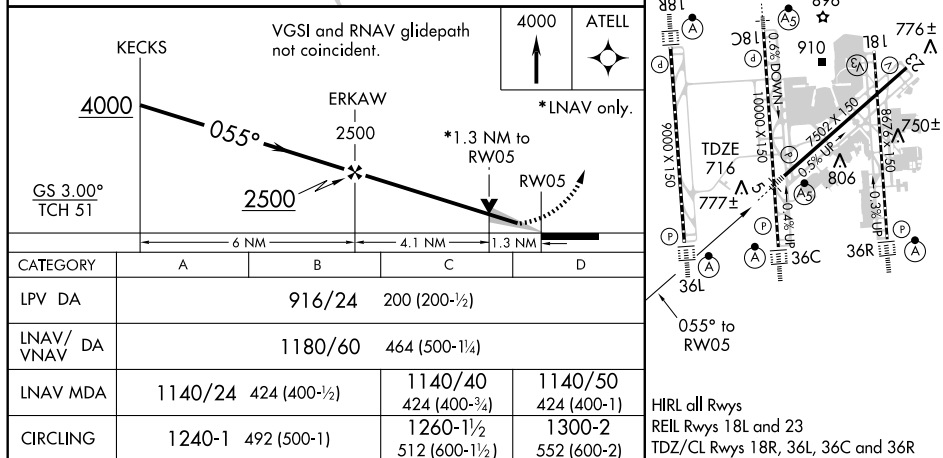
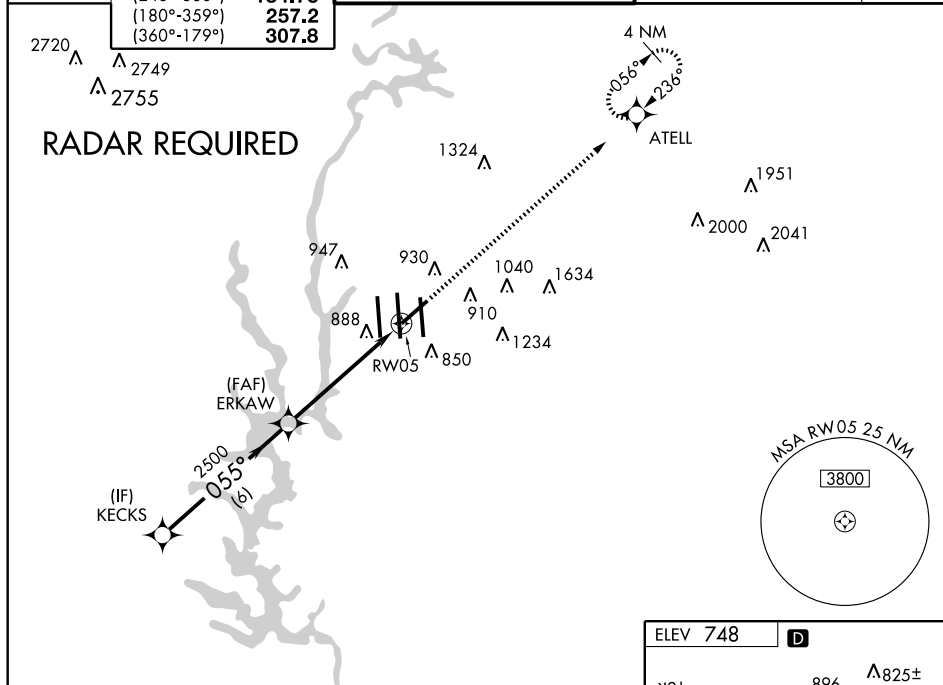
CHARLOTTE/DOUGLAS INTL (CLT)

▼ Circling NA at night. For inoperative MALSR, increase LNAV Cat D visibility to RVR 6000. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA.



MISSED APPROACH: Climb to 4000 direct ATELL and hold, continue climb-in-hold to 4000.

ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			



RNAV (GPS) Y RWY 18C
CHARLOTTE/DOUGLAS INTL (CLT)

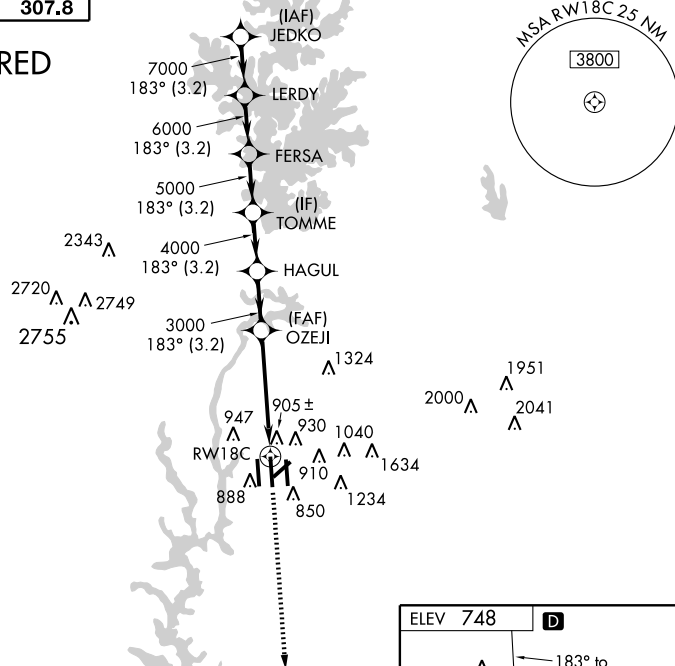
MALSR

MISSED APPROACH: Climb to 3000 direct FORET and hold.

CHARLOTTE TOWER		
(Rwys 18L-36R, 5-23)	118.1	257.8
(Rwy 18C-36C)	126.4	257.8
(Rwy 18R-36L)	133.35	257.8

GND CON		CLNC DEL
(180°-359°)	121.8 348.6	127.15
(360°-179°)	121.9 348.6	348.6

RADAR REQUIRED



VGSi and RNAV glidepath not coincident.

3000 FORET

8000 183° 7000 6000 5000 4000 3000

JEDKO LERDY FERSA TOMME HAGUL OZEI

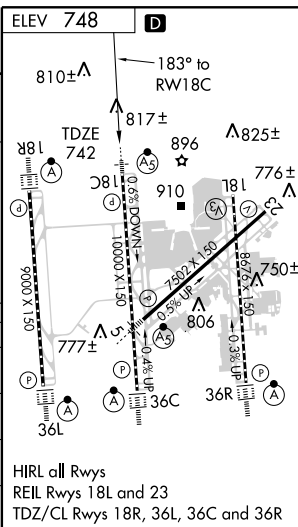
GS 3.00° TCH 55

*1.2 NM to RW18C

RW18C

*RNAV only.

CATEGORY	A	B	C	D
LPV DA	942/24 200 (200-½)			
RNAV/DA	1192/50 450 (500-1)			
RNAV MDA	1200/24 458 (500-½)		1200/40 458 (500-¾)	1200/50 458 (500-1)
CIRCLING	1240-1 492 (500-1)		1260-1½ 512 (600-1½)	1300-2 552 (600-2)



35°13'N-80°57'W

CHARLOTTE/DOUGLAS INTL (CLT)
RNAV (GPS) Y RWY 18C

SE-2. 21 OCT 2010 to 18 NOV 2010

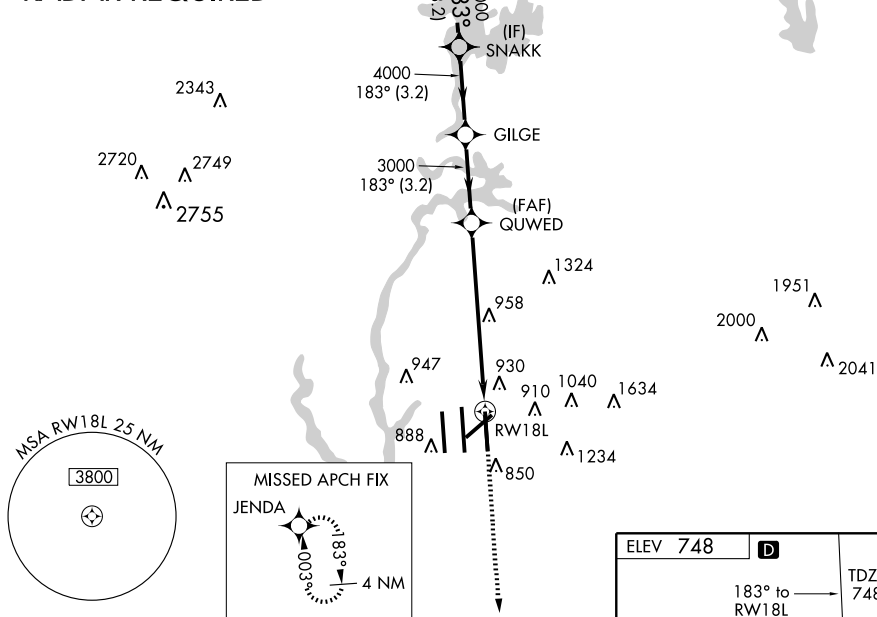
WAAS CH 77500 W18A	APP CRS 183°	Rwy ldg TDZE 748 Apt Elev 748
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RNAV (GPS) Y RWY 18L CHARLOTTE/DOUGLAS INTL (CLT)

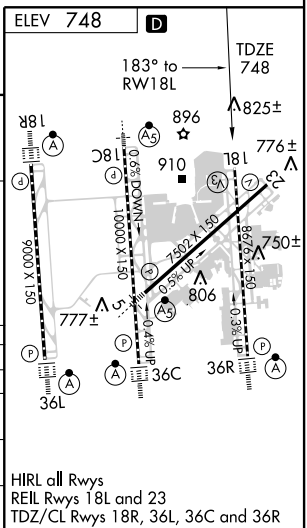
<p>⚠ Circling NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.</p>	<p>MISSED APPROACH: Climb to 3000 direct JENDA and hold.</p>
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ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			

RADAR REQUIRED



VGSI and RNAV glidepath not coincident.				
	CAVVI	SNAKK	GILGE	QUWED
	6000	5000	4000	3000
	183°			
	GS 3.00°			
	TCH 56			
	3.2 NM	3.2 NM	3.2 NM	5.2 NM
				1.6 NM
CATEGORY	A	B	C	D
LPV DA		1083/60	335 (400-1¼)	
LNAV/VNAV DA		1222-1¾	474 (500-1¾)	
LNAV MDA	1260/50	512 (600-1)	1260-1½ 512 (600-1½)	1260-1¾ 512 (600-1¾)
CIRCLING	1260-1	512 (600-1)	1260-1½ 512 (600-1½)	1300-2 552 (600-2)



WAAS CH 82415 W18D	APP CRS 183°	Rwy Idg 9000 TDZE 744 Apt Elev 748
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RNAV (GPS) Y RWY 18R

CHARLOTTE/DOUGLAS INTL (CLT)

T Circling NA at night. For inoperative ALSF, increase LNAV Cat D visibility to RVR 6000. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA.

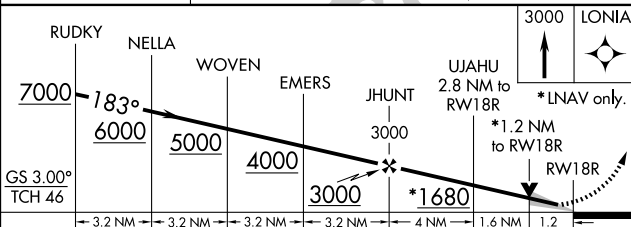
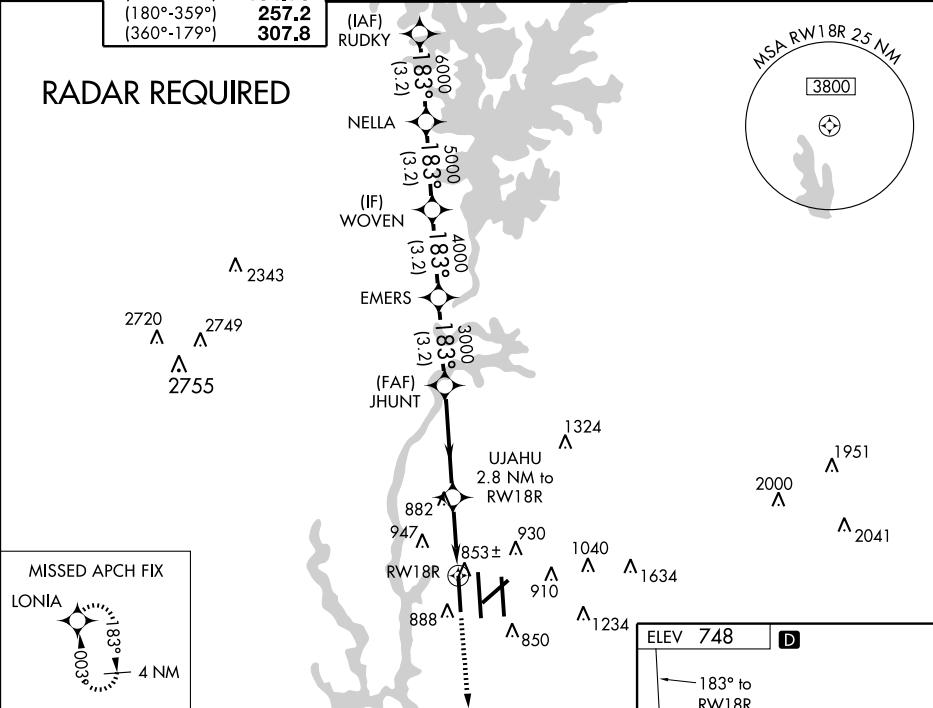
ALSF-2



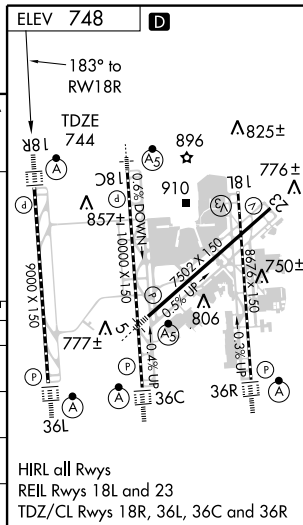
MISSED APPROACH: Climb to 3000 direct LONIA and hold.

ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CINC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		

RADAR REQUIRED



CATEGORY	A	B	C	D
LPV DA	944/24 200 (200-½)			
RNAV/ VNAV DA	1262/60 518 (600-1¼)			
RNAV MDA	1160/24 416 (500-½)		1160/40 416 (500-¾)	1160/50 416 (500-1)
CIRCLING	1240-1 492 (500-1)		1260-1½ 512 (600-1½)	1300-2 552 (600-2)



CHARLOTTE, NORTH CAROLINA
Orig 11FEB10

35°13'N-80°57'W

CHARLOTTE/DOUGLAS INTL (CLT)

RNAV (GPS) Y RWY 18R

SE-2. 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

WAAS CH 45906 W23A	APP CRS 236°	Rwy Idg 7502 TDZE 747 Apt Elev 748
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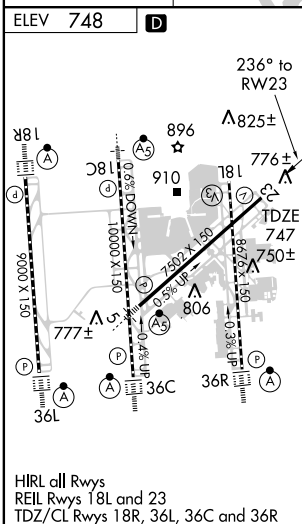
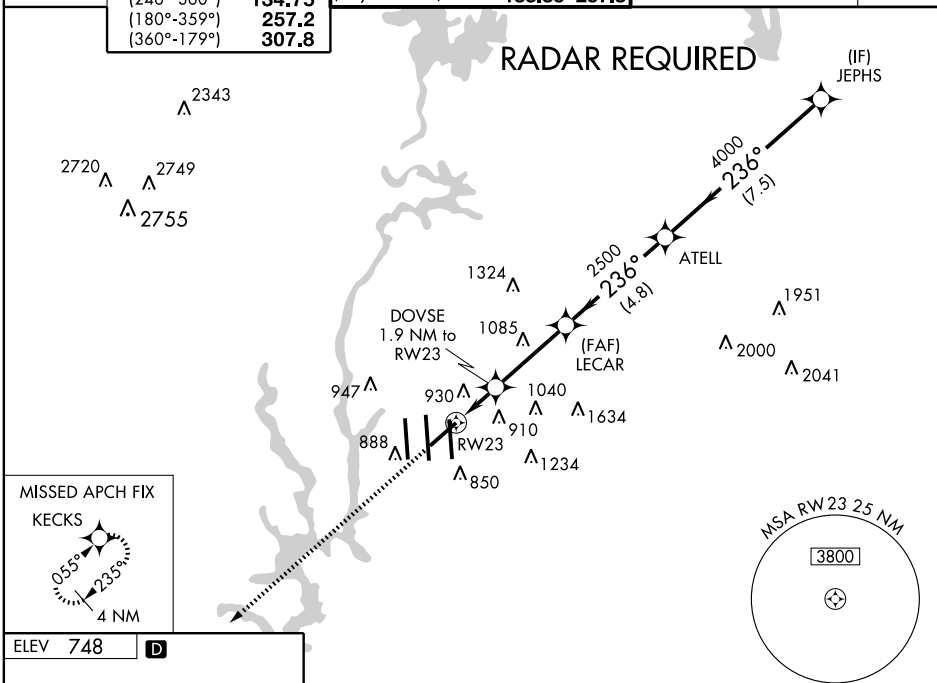
RNAV (GPS) Y RWY 23

CHARLOTTE/DOUGLAS INTL (CLT)

⚠ Circling NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 4000 direct KECKS and hold, continue climb-in-hold to 4000.

ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			

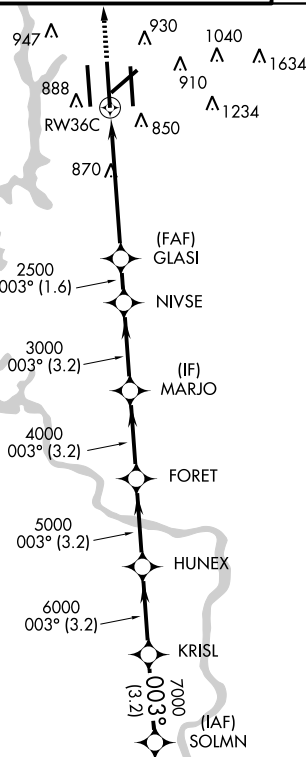


4000 ↑ KECKS	VGSI and RNAV glidepath not coincident.				JEPHS
*LNAV only.	DOVSE 1.9 NM to RW23	LECAR 2500	ATELL	6000	
	*1.2 NM to RW23		4000		GS 3.00° TCH 58
RW23		*1400	2500		
1.2	0.7	3.4 NM	4.8 NM	7.5 NM	
CATEGORY	A	B	C	D	
LPV DA	947/40		200 (200-¾)		
LNAV/ VNAV DA	1222-1¾		475 (500-1¾)		
LNAV MDA	1180/50	433 (500-1)	1180/60 433 (500-1¼)	1180-1½ 433 (500-1½)	
CIRCLING	1240-1	492 (500-1)	1260-1½ 512 (600-1½)	1300-2 552 (600-2)	

RNAV (GPS) Y RWY 36C
CHARLOTTE/DOUGLAS INTL (CLT)

MISSED APPROACH: Climb to 3000 direct TOMME and hold.

RADAR REQUIRED

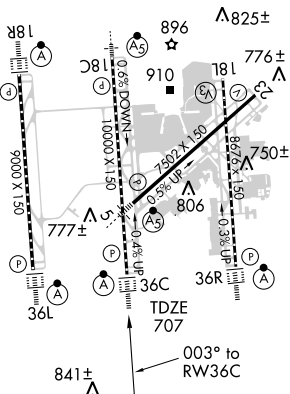


MISSED APCH FIX



D

HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R



3000 TOMME

VGSB and RNAV glidepath not coincident.

SOLMN

*LNAV only.

*1.2 NM to RW36C

RW36C

GLASI 2500

NIVSE 3000

MARJO 4000

FORET 5000

HUNEX 6000

KRISL 7000

003° 8000

GS 3.00° TCH 57

1.2 4.2 NM 1.6 NM 3.2 NM 3.2 NM 3.2 NM 3.2 NM 3.2 NM

CATEGORY	A	B	C	D
LPV DA		907/24	200 (200-½)	
RNAV/DA		1182/60	475 (500-1¼)	
RNAV MDA	1140/24 433 (400-½)		1140/40 433 (400-¾)	1140/50 443 (400-1)
CIRCLING	1240-1 492 (500-1)		1260-1½ 512 (600-1½)	1300-2 552 (600-2)

35°13'N-80°57'W

CHARLOTTE/DOUGLAS INTL (CLT)
RNAV (GPS) Y RWY 36C

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

WAAS CH 56515 W36A	APP CRS 003°	Rwy Idg TDZE 744 Apt Elev 748
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RNAV (GPS) Y RWY 36L

CHARLOTTE/DOUGLAS INTL (CLT)

▼ Circling NA at night. For inoperative ALSF, increase LNAV Cat D visibility to RVR 6000. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA.

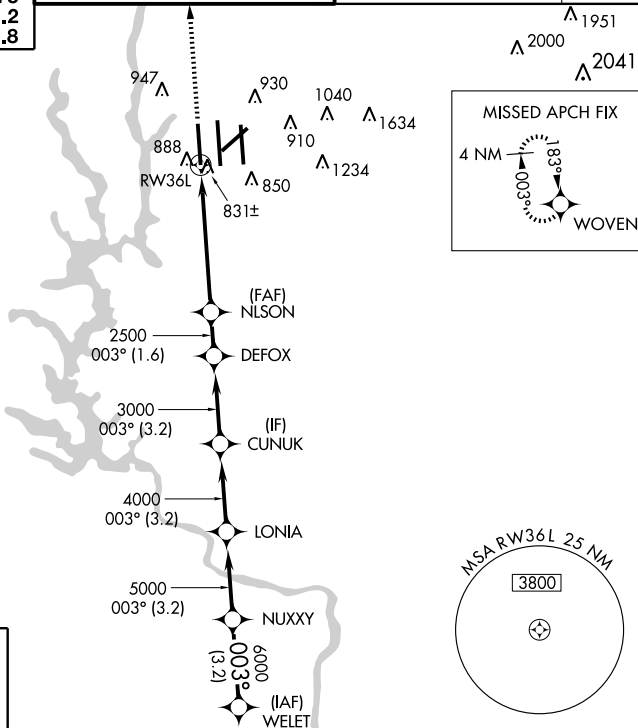
ALSF-2



MISSED APPROACH: Climb to 3000 direct WOVEN and hold.

ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			

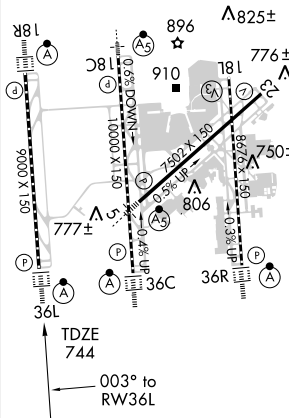
RADAR REQUIRED



ELEV 748

D

HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R



3000	WOVEN	VGSI and RNAV glidepath not coincident.	NUXXY	WELET
*LNAV only.	NLSN	DEFOX	CUNUK	LONIA
*1.1 NM to RW36L	2500	3000	4000	5000
RW36L	2500	3000	4000	5000
1.1	4.2 NM	1.6 NM	3.2 NM	3.2 NM
CATEGORY	A	B	C	D
LPV DA	944/24	200 (200-1/2)		
LNAV/VNAV DA	1113/40	369 (400-3/4)		
LNAV MDA	1140/24	396 (400-1/2)	1140/50	396 (400-1)
CIRCLING	1240-1	492 (500-1)	1260-1 1/2	1300-2
			512 (600-1/2)	552 (600-2)

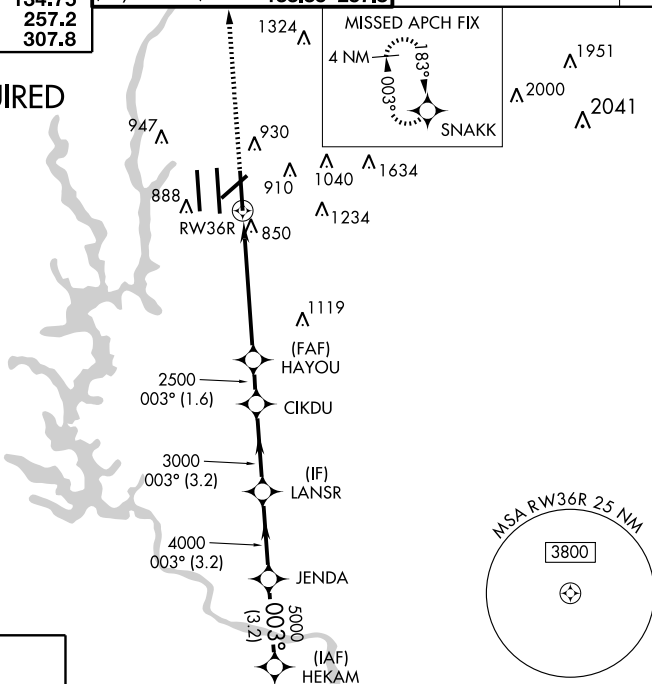
Rwy Idg	8676
TDZE	727
Apt Elev	748

RNAV (GPS) Y RWY 36R
CHARLOTTE/DOUGLAS INTL (CLT)



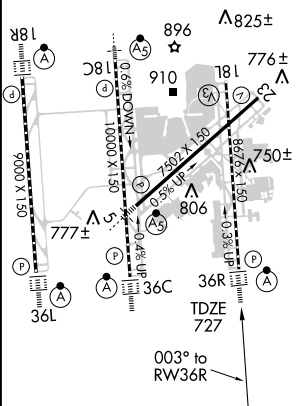
GND CON		CLNC DEL
(180°-359°)	121.8 348.6	127.15
(360°-179°)	121.9 348.6	348.6



RADAR REQUIRED



D

HIRL all Rwy's
REIL Rwy's 18L and 23
TDZ/CL Rwy's 18R, 36L, 36C and 36R

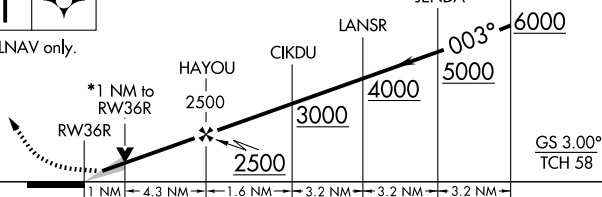


3000	SNAKK
	

VGSI and RNAV glidepath not coincident.

HEKAM

* LNAV only.



CATEGORY	A	B	C	D
LPV DA	927/24 200 (200-½)			
LNAV/ VNAV DA	1190/50 463 (500-1)			
LNAV MDA	1120/24 393 (400-½)			1120/50 393 (400-1)
CIRCLING	1240-1 492 (500-1)	1260-1½ 512 (600-1½)	1300-2 552 (600-2)	

35°13'N-80°57'W

CHARLOTTE/DOUGLAS INTL (CLT)
RNAV (GPS) Y RWY 36R

APP CRS	Rwy Idg	7092
055°	TDZE	716
	Apt Elev	748

RNAV (RNP) Z RWY 5

CHARLOTTE/DOUGLAS INTL (CLT)

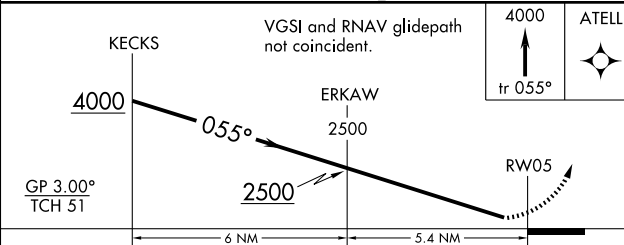
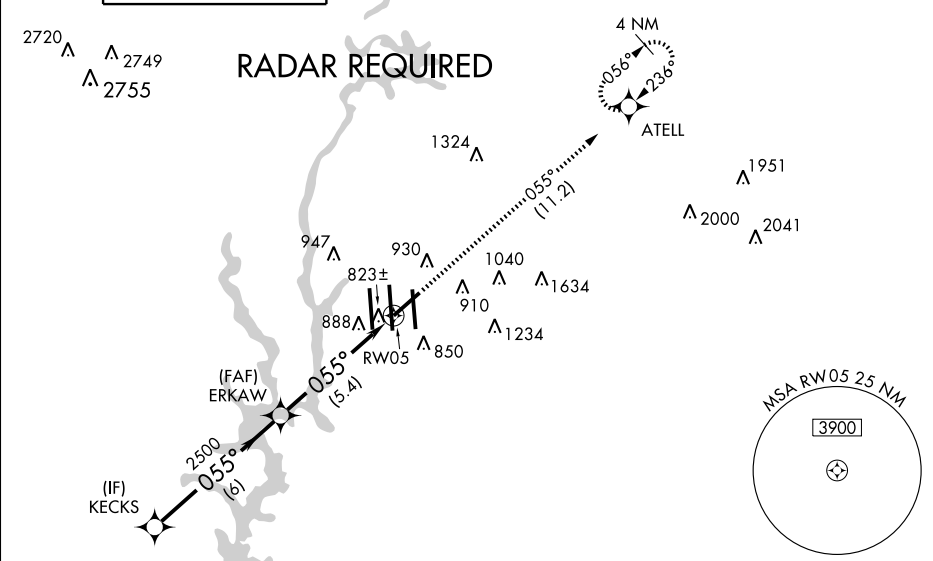
GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -10°C (14°F) or above 47°C (117°F). Visibility reduction by helicopters NA. For inoperative MALSR, increase RNP 0.11 all Cats visibility to RVR 6000 and RNP 0.30 all Cats visibility to 1¼ mile.

MALSR



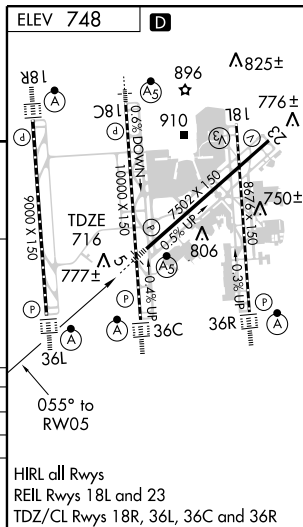
MISSED APPROACH: Climb to 4000 via track 055° to ATELL and hold, continue climb-in-hold to 4000.

ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			



CATEGORY	A	B	C	D
RNP 0.11 DA		1061/40	345 (400-¾)	
RNP 0.30 DA		1216/60	500 (500-1¼)	

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED



HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R

APP CRS	Rwy Idg	10000
183°	TDZE	742
	Apt Elev	748

RNAV (RNP) Z RWY 18C

CHARLOTTE/DOUGLAS INTL (CLT)

T GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -10°C (14°F) or above 47°C (118°F). Visibility reduction by helicopters NA. For inoperative MALSR, increase RNP 0.11 visibility all Cats to RVR 5000 and RNP 0.30 visibility all Cats to 1½ mile.

MALSR



MISSED APPROACH: Climb to 3000
via track 183° to FORET and hold.

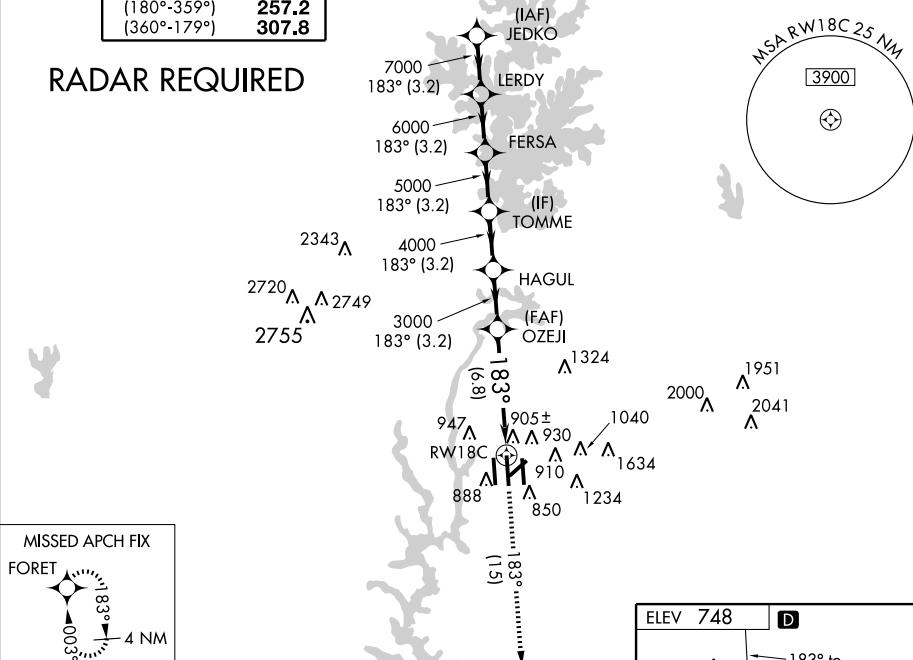
ATIS	CHARLOTTE APP CON	
ARR 121.15	(001°-119°)	128.32
DEP 132.1	(120°-245°)	120.05
	(246°-360°)	134.75
	(180°-359°)	257.2
	(360°-179°)	307.8

CHARLOTTE TOWER		
(Rwys 18L-36R, 5-23)	118.1	257.8
(Rwy 18C-36C)	126.4	257.8
(Rwy 18R-36L)	133.35	257.8

GND CON			CLNC DEL
(180°-359°)	121.8	348.6	127.15
(360°-179°)	121.9	348.6	348.6

CLNC DEL

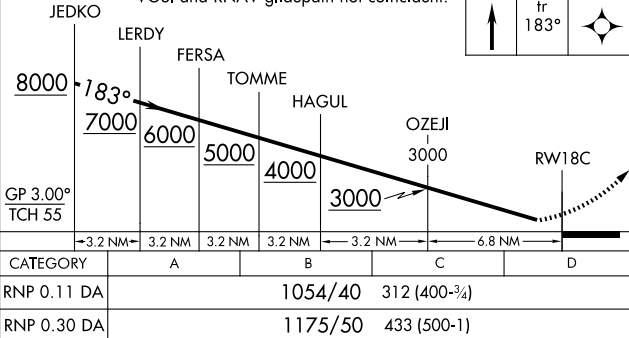
RADAR REQUIRED



MISSED APCH FIX

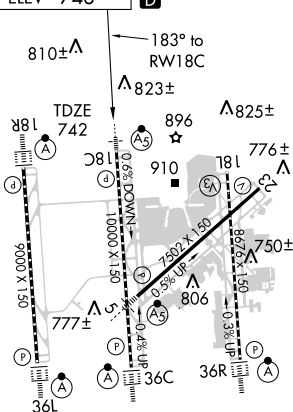


VGSI and RNAV glidepath not coincident.



ELEV 748

D



HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R

**SPECIAL AIRCRAFT AND AIRCREW
AUTHORIZATION REQUIRED**

CHARLOTTE, NORTH CAROLINA

Orig 11FEB10

CHARLOTTE/DOUGLAS INTL (CLT)

35°13'N-80°57'W

RNAV (RNP) Z RWY 18C

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

APP CRS **183°**
Rwy Idg **8676**
TDZE **748**
Apt Elev **748**

RNAV (RNP) Z RWY 18L

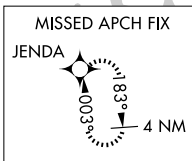
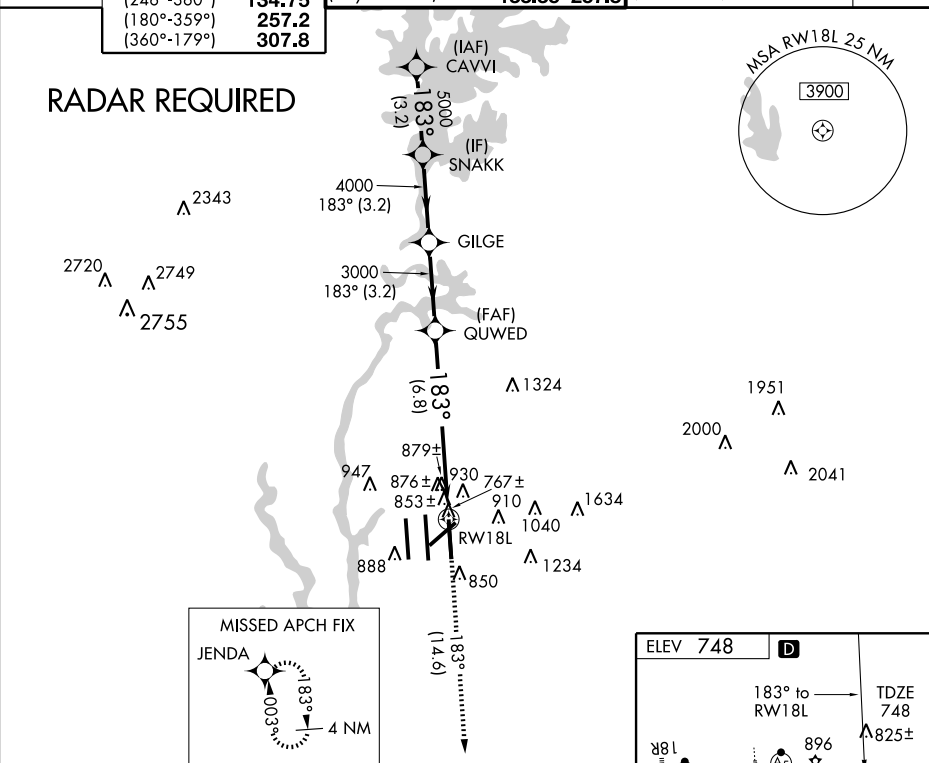
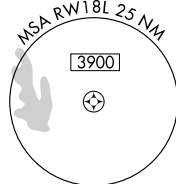
CHARLOTTE/DOUGLAS INTL (CLT)

GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -10°C (14°F) or above 47°C (118°F). When VGSI inoperative, procedure NA at night.

MISSED APPROACH: Climb to 3000 via track 183° to JENDA and hold.

ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			

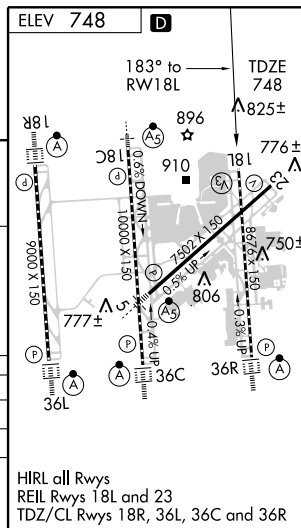
RADAR REQUIRED



VGSI and RNAV glidepath not coincident.

CATEGORY	A	B	C	D
RNP 0.11 DA	1091/60	343 (400-1¼)		
RNP 0.30 DA	1202-1½	454 (500-1½)		

**SPECIAL AIRCRAFT & AIRCREW
AUTHORIZATION REQUIRED**



HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R

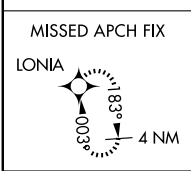
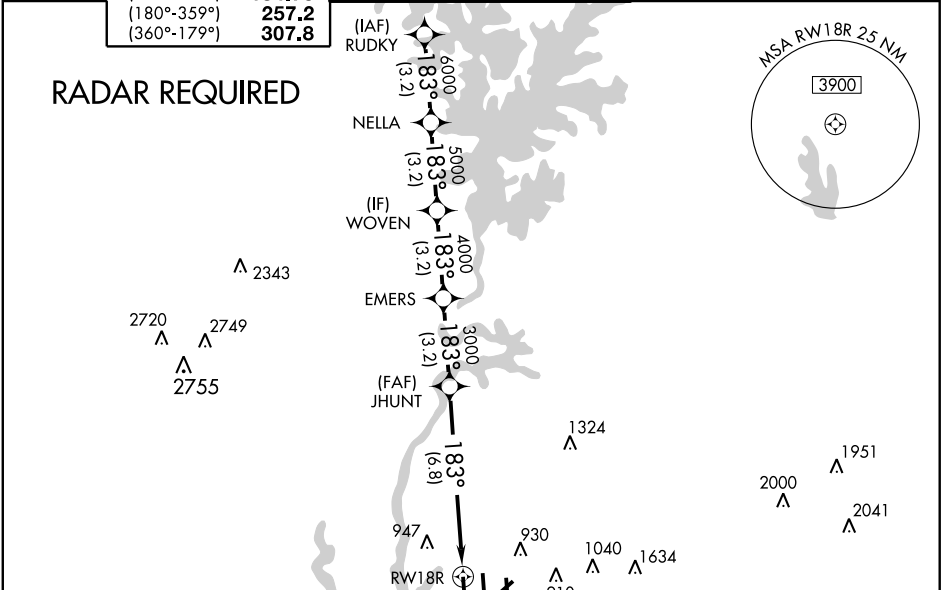
APP CRS	Rwy Idg	9000
183°	TDZE	744
	Apt Elev	748

RNAV (RNP) Z RWY 18R

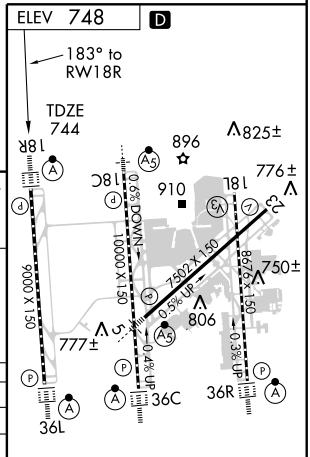
CHARLOTTE/DOUGLAS INTL (CLT)

<p>GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -10°C (14°F) or above 47°C (118°F). Visibility reduction by helicopters NA. For inoperative ALSF, increase RNP 0.11 visibility all Cats to RVR 5000 and RNP 0.30 visibility all Cats to RVR 6000.</p>	<p>ALSF-2</p>	<p>MISSED APPROACH: Climb to 3000 via track 183° to LONIA and hold.</p>
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ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			



CATEGORY	A	B	C	D
RNP 0.11 DA	1026/24	282 (300-½)		
RNP 0.30 DA	1085/40	341 (400-¾)		



SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED

APP CRS	Rwy Idg	7502
236°	TDZE	747
	Apt Elev	748

RNAV (RNP) Z RWY 23
CHARLOTTE/DOUGLAS INTL (CLT)

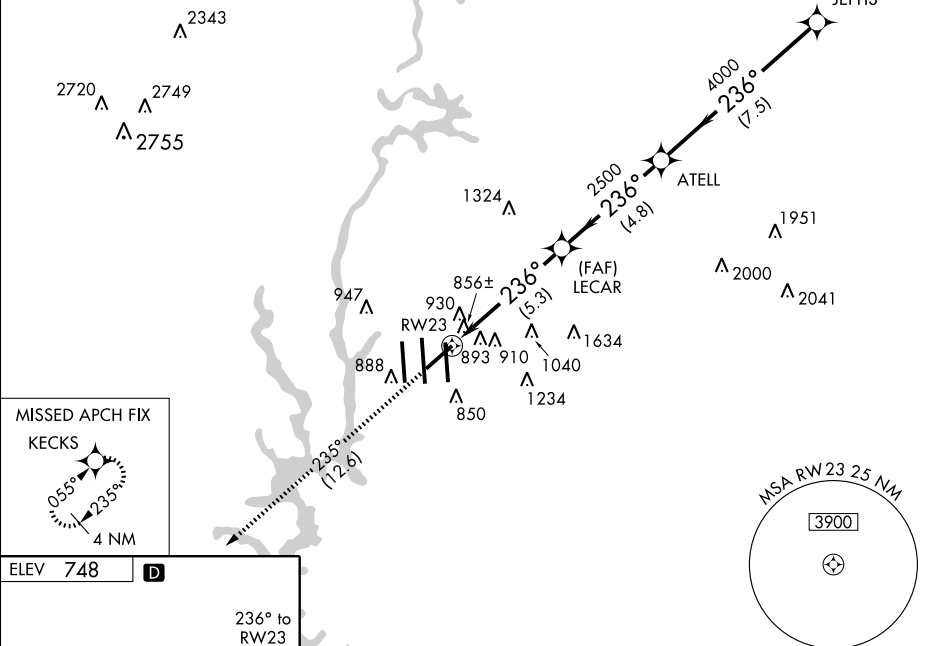
T GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -10°C (14°F) or above 47°C (117°F). Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 4000 via track 235° to KECKS and hold, continue climb-in-hold to 4000.

ATIS		CHARLOTTE APP CON		CHARLOTTE TOWER		GND CON		CLNC DEL
ARR	121.15	(001°-119°)	128.32	(Rwys 18L-36R, 5-23)	118.1	257.8	(180°-359°)	121.8 348.6
DEP	132.1	(120°-245°)	120.05	(Rwy 18C-36C)	126.4	257.8	(360°-179°)	121.9 348.6
		(246°-360°)	134.75	(Rwy 18R-36L)	133.35	257.8		
		(180°-359°)	257.2					
		(360°-179°)	307.8					

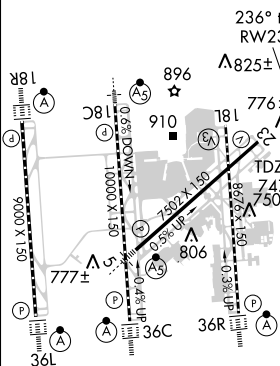
RADAR REQUIRED

(IF)
JEPHS



ELEV	748
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D



HIRL all Rwy's
REIL Rwy's 18L and 23
TDZ/CL Rwy's 18R, 36L, 36C and 36R

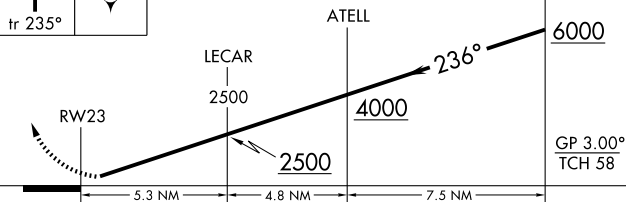
CHARLOTTE, NORTH CAROLINA

Orig 11FEB10

4000 ↑ tr 235°	KECKS 
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VGSI and RNAV alidepath not coincident.

JEPHS



CATEGORY	A	B	C	D
RNP 0.11 DA		1091/60	344 (400-1¼)	
RNP 0.30 DA		1219-1½	472 (500-1½)	

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED

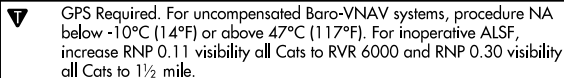
CHARLOTTE/DOUGLAS INTL (CLT)

RNAV (RNP) Z RWY 23

SE-2. 21 OCT 2010 to 18 NOV 2010

Rwy Idg	10000
TDZE	707
Apt Elev	748

CHARLOTTE/DOUGLAS INTL (CLT)



MISSED APPROACH: Climb to 3000 via track 003° to TOMME and hold.

ATIS
ARR 121.15
DEP 132.1

001°-119°)	128.3
120°-245°)	120.0
246°-360°)	134.7
180°-359°)	257.
360°-179°)	307.

CHARLOTTE TOWER		
(Rwys 18L-36R, 5-23)	118.1	257.8
(Rwy 18C-36C)	126.4	257.8
(Rwy 18R-36L)	133.35	257.8


(180°-359°)	121.8	348.6	127.15
(360°-179°)	121.9	348.6	348.6

127.15
348.6

RADAR REQUIRED

Λ 2041

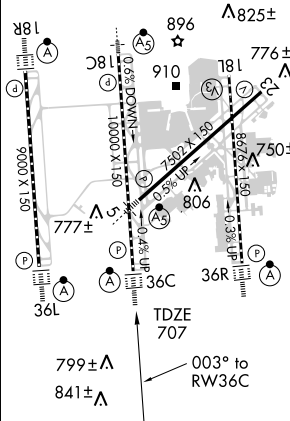
MISSED APCH FIX



ELEV 748



HIRL all Rwy's
REIL Rwy's 18L and 23
TDZ/CL Rwy's 18R, 36L, 36C and 36R



3000 ↑ tr 003°	TOMME ✦	VGS1 and RNAV glidepath not coincident.					SOLMN 003°	
RW36C		GLASI 2500	NIVSE 3000	MARJO 4000	FORET 5000	HUNEX 6000	KRISL 7000	8000
5.4 NM		1.6 NM	3.2 NM	3.2 NM	3.2 NM	3.2 NM	3.2 NM	GP 3.00° TCH 57
CATEGORY		A	B		C		D	
RNP 0.11 DA		1040/40 333 (300-3 ₄)						
RNP 0.30 DA		1143/50 436 (400-1)						

**SPECIAL AIRCRAFT AND AIRCREW
AUTHORIZATION REQUIRED**

APP CRS	Rwy Idg	8676
003°	TDZE	748
	Apt Elev	748

RNAV (RNP) Z RWY 36R

CHARLOTTE/DOUGLAS INTL (CLT)

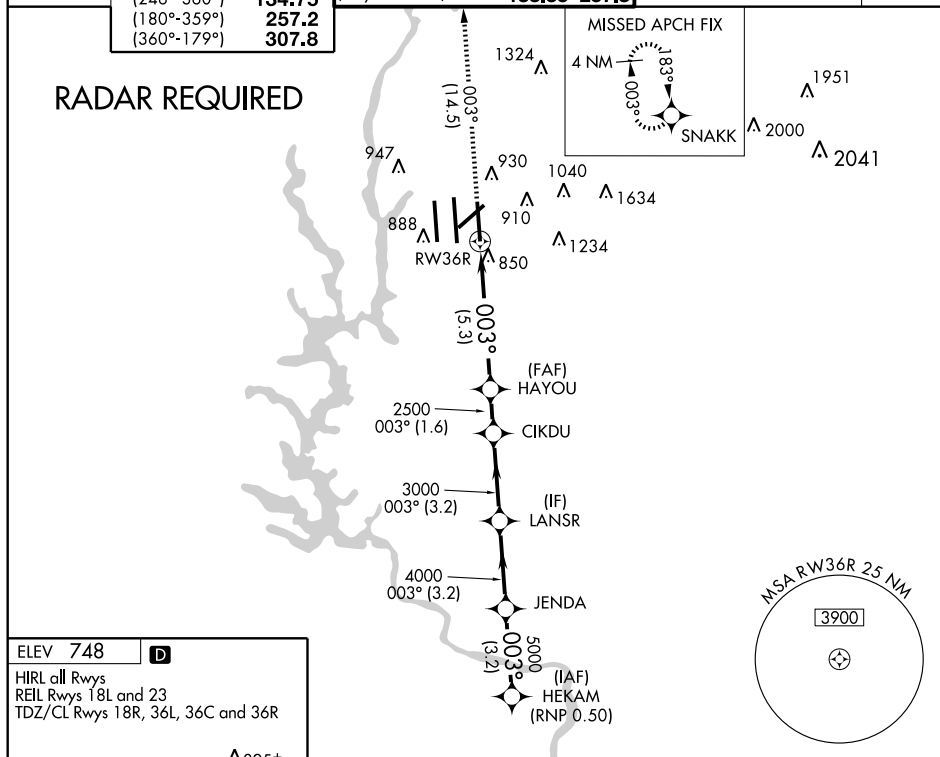
GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -10°C (14°F) or above 47°C (117°F). Visibility reduction by helicopters NA. For inoperative ALSF, increase RNP 0.30 visibility all Cats to 1½ mile.

ALSF-2

MISSED APPROACH:
Climb to 3000 via track 003° to SNAKK and hold.

ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R, 5-23) 118.1 257.8	(180°-359°) 121.8 348.6	127.15
DEP 132.1	(120°-245°) 120.05	(Rwy 18C-36C) 126.4 257.8	(360°-179°) 121.9 348.6	348.6
	(246°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			

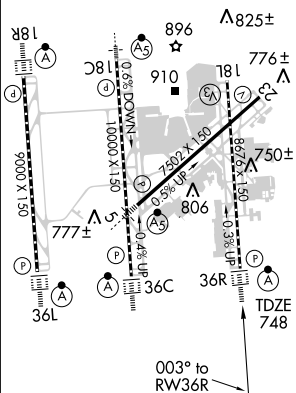
RADAR REQUIRED



ELEV 748

D

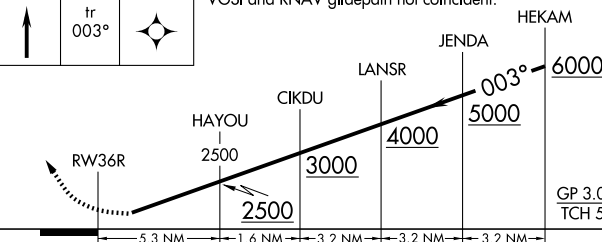
HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R



3000
↑
Ir 003°

SNAKK

VGS and RNAV glidepath not coincident.

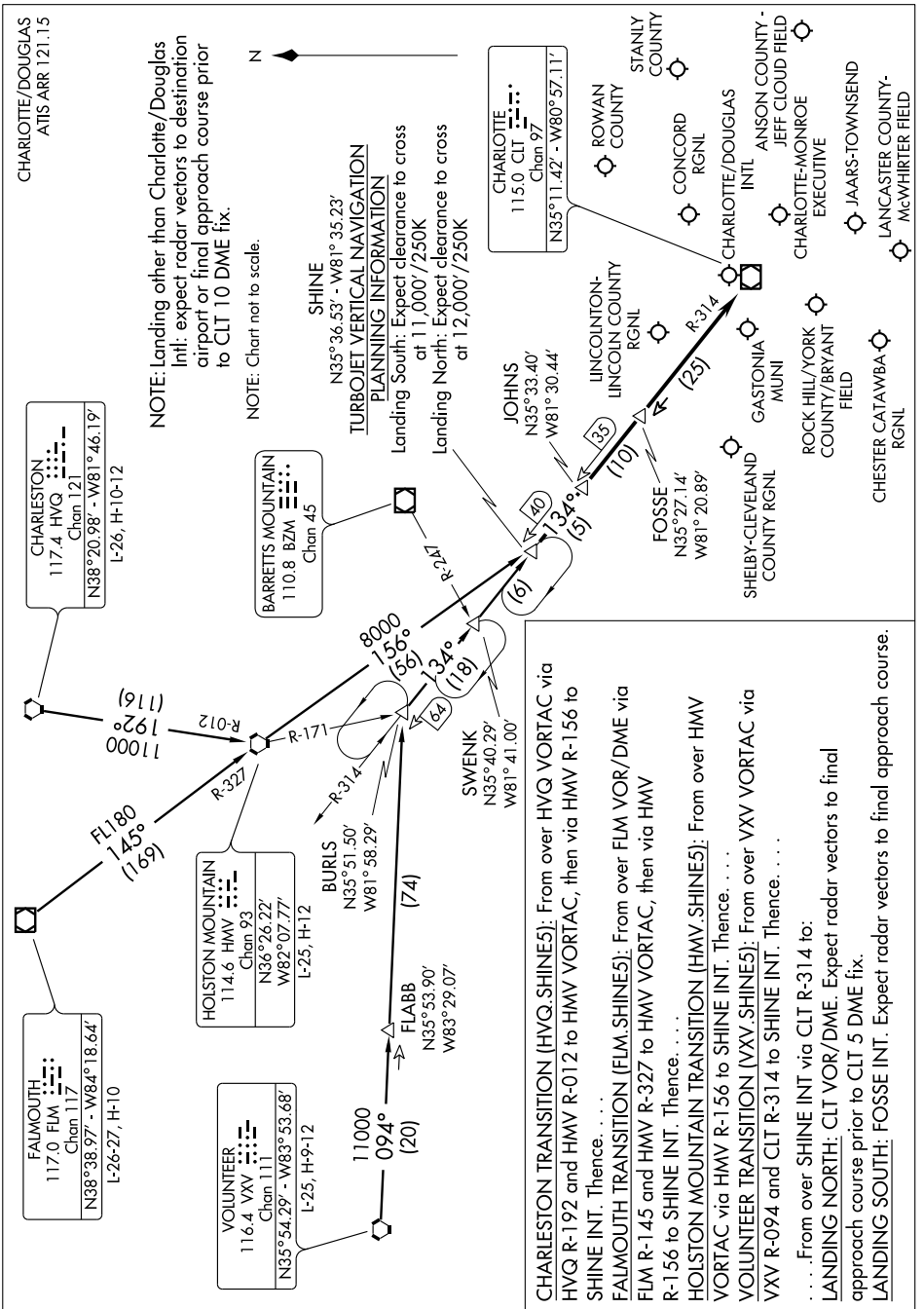


CATEGORY	A	B	C	D
RNP 0.30 DA	1175/50	448 (500-1)		

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED

SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA



SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA

SU)SU THREE ARRIVAL (RNAV)

ST-78 (FAA)

CHARLOTTE/DOUGLAS INTL
CHARLOTTE, NORTH CAROLINA

CHARLOTTE APP CON

126.15

ATIS ARR

121.15

NOTE: RNAV 1

NOTE: Radar required.

NOTE: DME/DME/IRU or GPS
Required.NOTE: This STAR applicable to
Turbojet aircraft only.NOTE: For non-GPS equipped aircraft, LIB
Transition: BZM, CLT, CTF,
GSO and LIB DMEs must be
operational; LYH and ROA
Transitions: BZM, CLT and CTF
DMEs must be operational.

ARRIVAL ROUTE DESCRIPTION

LIBERTY TRANSITION (LIB.SUDSY3):LYNCHBURG TRANSITION (LYH.SUDSY3):ROANOKE TRANSITION (ROA.SUDSY3):

From SUDSY via 221° track to GIZMO, thence as depicted to JATAB, depart JATAB heading 183° for vectors to final approach course.

LOST COMMUNICATIONS:LANDING NORTH:

At JATAB fly heading 270°, maintain 4000; intercept and execute ILS or LOC Rwy 36R approach. If unable, proceed direct to CLT VOR/DME and hold, maintain 4000.

LANDING SOUTH:

At GIZMO fly heading 270°, maintain 4000; intercept and execute ILS or LOC Rwy 18L approach. If unable, proceed direct to CLT VOR/DME and hold, maintain 4000.

NOTE: Chart not to scale.

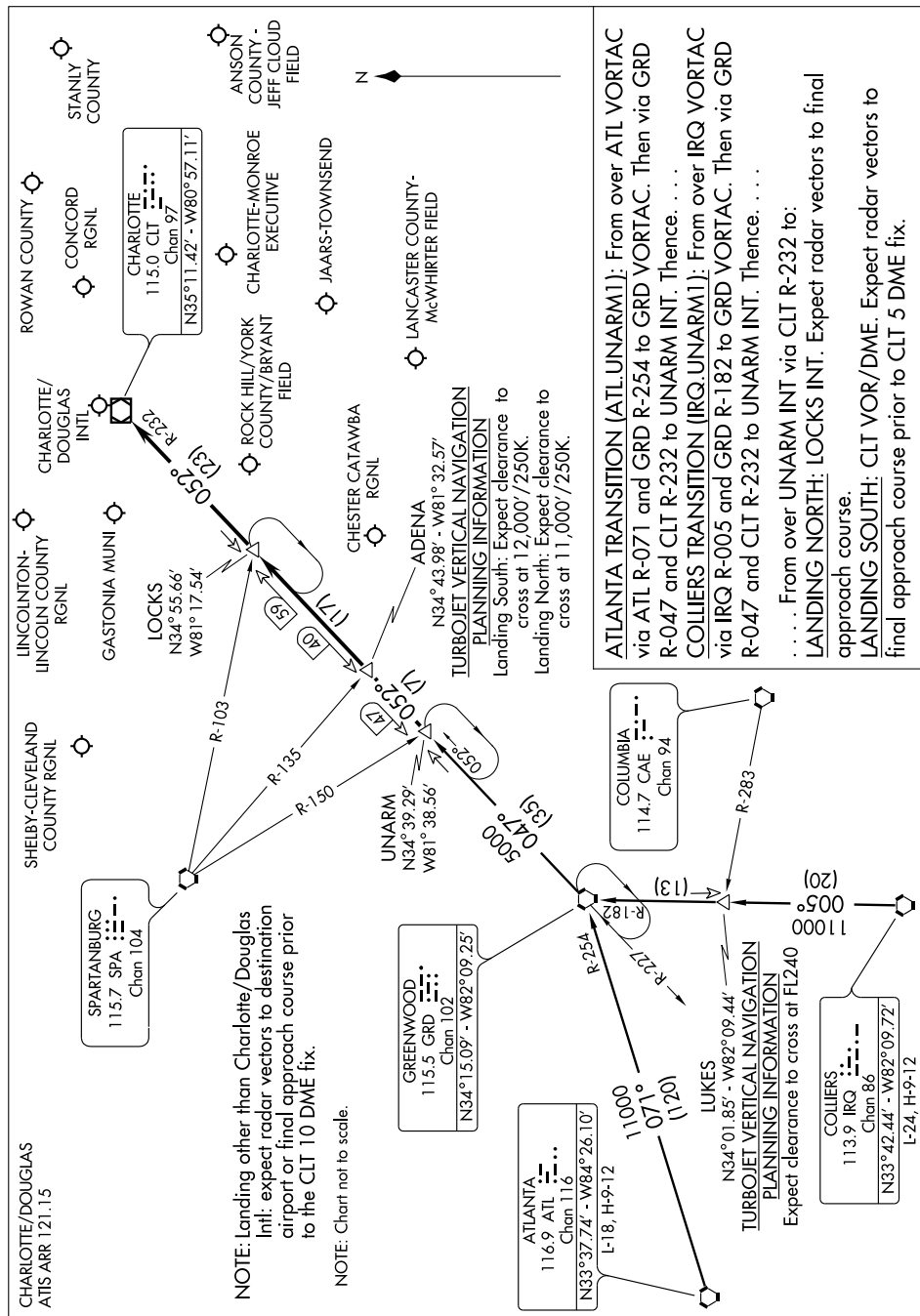
SU)SU THREE ARRIVAL (RNAV)

(SU)SU.SUDSY3) 08269

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010



CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

CHARLOTTE, NORTH CAROLINA

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

SE-2. 21 OCT 2010 to 18 NOV 2010



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 5: Climb heading 055° to 1260, then direct VEAZY, then left turn direct KATSE, then via depicted route to HEDMA, thence

TAKEOFF RWY 18L: Climb heading 183° to 1260, then direct HISOR, then via depicted route to HEDMA, thence

TAKEOFF RWY 18C: Climb heading 183° to 1260, then direct GIRGY, then via depicted route to HEDMA, thence

TAKEOFF RWY 18R: Climb heading 183° to intercept course 204° to WEKIN, then via depicted route to HEDMA, thence

TAKEOFF RWY 23: Climb heading 235° to 1260, then direct UNCOT, then via depicted route to HEDMA, thence

TAKEOFF RWY 36R: Climb heading 003° to intercept course 028° to KAYFO, then left turn direct KATSE, then via depicted route to HEDMA, thence

TAKEOFF RWY 36C: Climb heading 003° to intercept course 325° to EBAWI, then via depicted route to HEDMA, thence

TAKEOFF RWY 36L: Climb heading 003° to intercept course 307° to JIMAL, then via depicted route to HEDMA, thence

. . . . via depicted route to ZAVR. Maintain 8000. Expect clearance to filed altitude within 10 minutes after departure.

NASHVILLE TRANSITION (ZAVR1.BNA):

VOLUNTEER TRANSITION (ZAVR1.VXV):

TAKEOFF OBSTACLES:

RWY 5: Trees beginning 1031' from DER, 480' left of centerline, up to 127' AGL/856' MSL.

RWY 18L: Tower and pole beginning 981' from DER, 708' left of centerline, up to 160' AGL/850' MSL.

Trees beginning 1235' from DER, 707' right of centerline, up to 88' AGL/767' MSL.

RWY 18C: Trees beginning 1688' from DER, 735' left of centerline, up to 108' AGL/787' MSL.

Trees beginning 3251' from DER, 995' right of centerline, up to 102' AGL/841' MSL.

RWY 23: Trees beginning 3899' from DER, 216' left of centerline, up to 99' AGL/818' MSL.

Trees beginning 1491' from DER, 603' right of centerline, up to 74' AGL/823' MSL.

RWY 36C: Trees beginning 1937' from DER, 725' left of centerline, up to 54' AGL/823' MSL.

Trees beginning 1420' from DER, 309' right of centerline, up to 114' AGL/823' MSL.

RWY 36R: Pole and trees beginning 713' from DER, 416' left of centerline, up to 94' AGL/853' MSL.

Railroad, antenna, poles and trees beginning 471' from DER, 93' right of centerline, up to 93' AGL/852' MSL.

AIRPORT DIAGRAM

AFD-471 [USN]

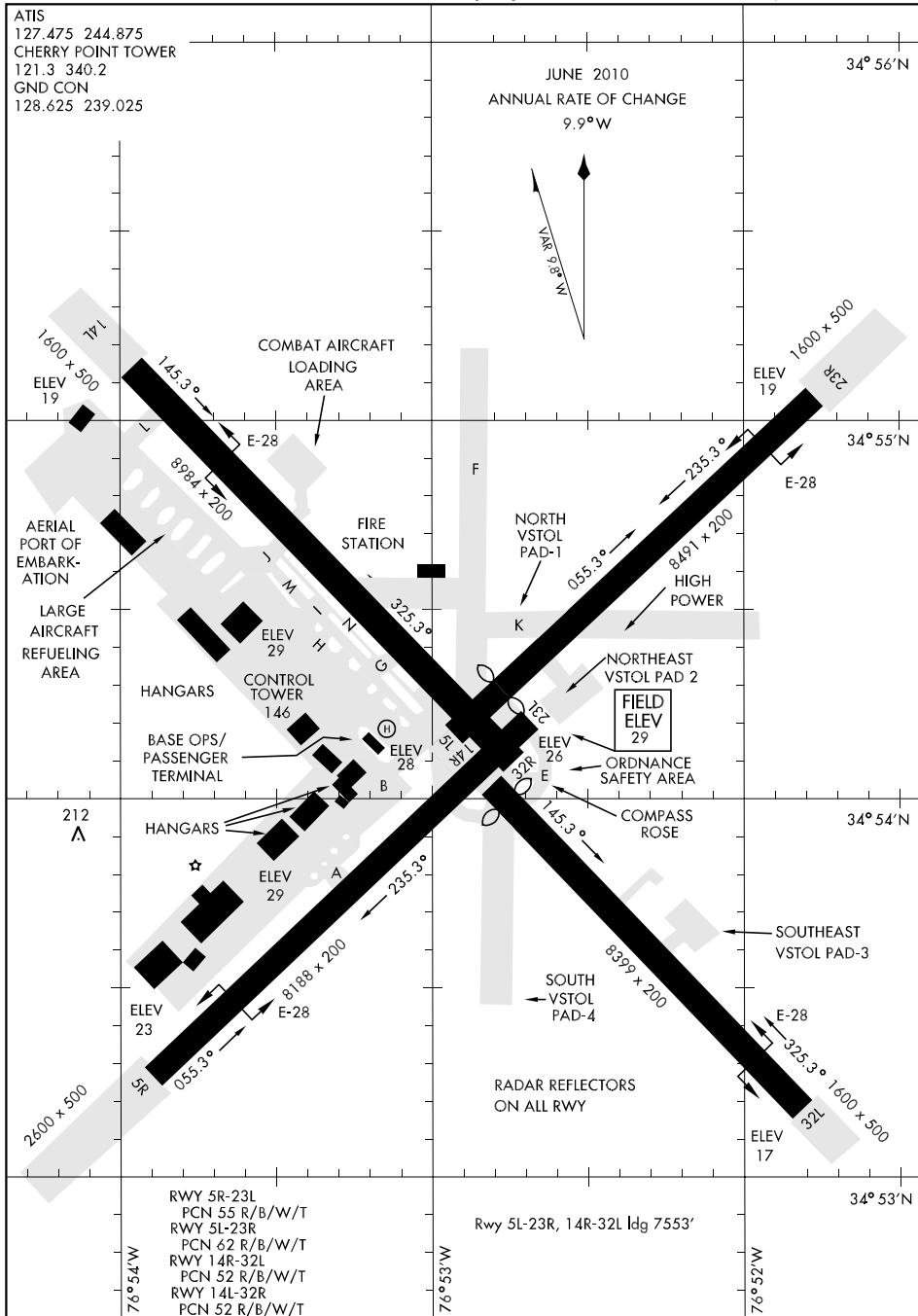
CHERRY POINT, NORTH CAROLINA

ATIS
127.475 244.875
CHERRY POINT TOWER
121.3 340.2
GND CON
128.625 239.025

JUNE 2010
ANNUAL RATE OF CHANGE
9.9°W

34°56'N

SE-2, 21 OCT 2010 to 18 NOV 2010



SE-2, 21 OCT 2010 to 18 NOV 2010

AIRPORT DIAGRAM

CHERRY POINT, NORTH CAROLINA
CHERRY POINT MCAS (KNKT)

WILGROVE AIR PARK (8A6) 9 E UTC-5(-4DT) N35°12.83' W80°40.20'

CHARLOTTE

799 B FUEL 100LL NOTAM FILE RDU

RWY 17-35: H2835X40 (ASPH) S-10 LIRL (NSTD)

RWY 17: Thld dsplcd 100'. Trees.

RWY 35: Thld dsplcd 525'. Trees.

AIRPORT REMARKS: Attended 1300Z±-dusk. Arpt CLOSED to pure jet powered acft. Tall steel tower 2 miles from thld

Rwy 17 approximately 6000' right of centerline. 50 ft trees within 80 ft of centerline both sides of rwy.

Numerous obstructions within 60 ft from centerline 15 ft-40 ft in height. Deer invof arpt. Rwy 35 dsplcd thld

marked for day ops with three cones each side of rwy. Rwy 17-35 NSTD LIRL, no thld lgts. Rotating bcn ops

dusk-0600Z±. LIRL Rwy 17-35 opr dusk-0600Z±. ACTIVATE NSTD LIRL Rwy 17-35—CTAF.

COMMUNICATIONS: CTAF/UNICOM 122.725

CHARLOTTE-MONROE EXECUTIVE (See MONROE)

CHERRY POINT MCAS (CUNNINGHAM FLD) (NKT)(KNKT) MC 2 NE UTC-5(-4DT)

CHARLOTTE

N34°54.19' W76°52.85'

H-9C, L-35B

DIAP, AD

29 B Class I, ARFF Index Ltd. NOTAM FILE RDU Not insp.

RWY 14L-32R: H8984X200 (ASPH) PCN 52 R/B/W/T HIRL

RWY 05L-23R: H8491X200 (ASPH) PCN 62 R/B/W/T HIRL

RWY 05L: Thld dsplcd 938'.

RWY 23R: MALSF. PAPI(P4L)—GA 3.0° TCH 54'.

RWY 14R-32L: H8399X200 (ASPH) PCN 52 R/B/W/T HIRL CL

RWY 14R: Thld dsplcd 846'.

RWY 32L: ALSF1. PAPI(P4L)—GA 3.0° TCH 76'.

RWY 05R-23L: H8188X200 (ASPH) PCN 55 R/B/W/T HIRL

RUNWAY DECLARED DISTANCE INFORMATION

RWY 05L: TORA-8491 TODA-8491 ASDA-8491 LDA-7553

RWY 14R: TORA-8399 TODA-8399 ASDA-8399 LDA-7553

RWY 23R: TORA-7553 TODA-8491 ASDA-8491 LDA-7553

RWY 32L: TORA-8398 TODA-8399 ASDA-8399 LDA-7553

ARRESTING GEAR/SYSTEM

RWY 05R HOOK E28(B) (1500')

RWY 14L ← HOOK E28(B) (1500')

HOOK E28(B) (1500') → **RWY 32L**

HOOK E28(B) (1500') **RWY 23R**

MILITARY SERVICE: LGT Portable lgt—mobile flood lgt. **A-GEAR** All E-28(B) in raised position except on ldg rwy. Rqr

15 minutes prior notice. **JASU** 2(GTC-85) 1(NCPP-105). 2 working days prior notice rqr. **FUEL** J5. Hot pit refuel

avbl. **FLUID** SP PRESAIR HPOX LOX **TRAN ALERT** Limited tran maintenance avbl Mon-Fri 1200-2100Z±.

Transient acft with inert ordnance, hot pit refuel limited to F18 and USAF F15, F16 and A10 acft only. Hot pit

refuel with inert ordnance avbl Mon-Fri 1200-0300Z±, Sat-Sun 1700-0059Z±. No lavatory svc avbl.

MILITARY REMARKS: Opr 24 hrs. See FLIP AP/1 Supplementary Arpt Remarks. **RSTD** ATC terminology "centermat" is defined as the center of the afld where the four rwys intersect, rated for all acft wheel weights. PPR all tran acft (min 24 hr in advance). Call Base OPS DSN 582-2233, C252-466-2233. Flight Planning/Base OPS opr 24 hr.

All rwy and twy, except Twy A, Twy C and Twy M will support all acft at all weight. Twy H limited to helicopters

only between fuel pit 5 and Twy J. Acft rstd from taxiing on Twy K between Rwy 23R and Test Cell. Towing ops

only. **CAUTION** Unlit twr at NKT 200006 549'. Extensive student jet training vertical and short take-off and landing

aircraft vicinity of arpt. Tran acft expect straight-in full stop ldg only during peak student training periods. Bird

hazard Oct-Apr. Drainage ditches parallel all rwy. Wildlife hazard on arpt, especially SS-SR. Obstruction

approximately 200' near NKT R-205/3. **TFC PAT** Ldg/taxi lgt rqr all ldg. Reduced rwy separation in effect for

USN/USMC acft. **CSTMS/AG/IMG** CSTMS, AG avbl with 24 hr prior notice. Reference Foreign Clearance Guide for

details. **MISC** 24 hr prior notice rqr of all distinguished visitor codes, ctc Base OPS DSN 582-2233,

C252-466-2233. All acft with passenger/cargo/distinguished visitor ctc PTD 20 min prior to ldg.

COMMUNICATIONS: SFA ATIS 127.475 244.875

Ⓡ **APP/DEP CON** 119.35 377.175 (West) 124.1 268.7 (East abv 2600') 132.575 299.6 (East at/blo 2600') 119.75 360.775 (North)

TOWER 121.3 340.2 360.2 (Expect fld closure on National holiday weekends) **GND CON** 128.625 239.025

CLNC DEL 125.95 316.125 **PMVS METRO** 343.5 **BASE OPS** 126.2 305.7

AIRSPACE: CLASS D svc continuous, expect fld closure on National holiday weekends.

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

(L) **TACAN** Chan 75 NKT (112.8) N34°54.13' W76°52.49' at fld. 28/9W.

TACAN azimuth unusable:

052°-060° byd 10 NM blo 3,000'

061°-089° byd 6 NM blo 5,000'

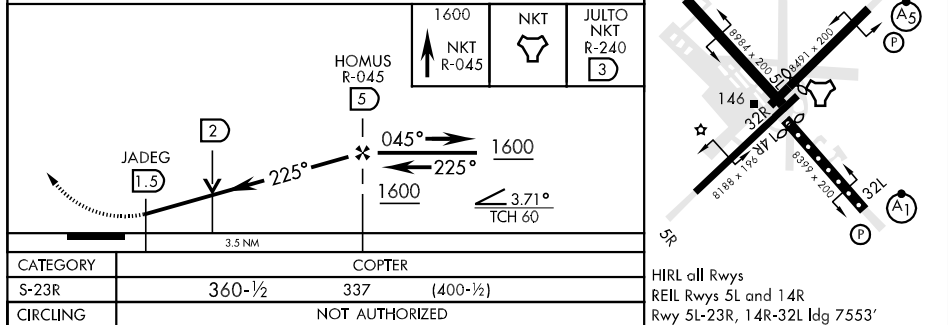
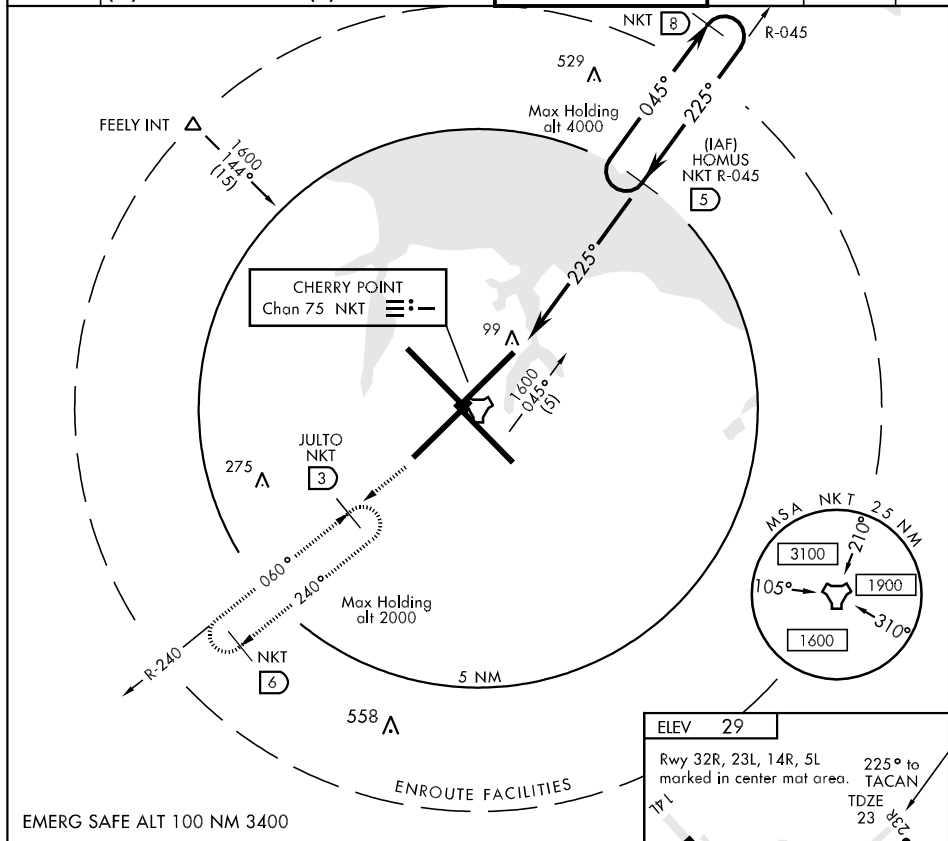
090°-109° byd 10 NM blo 3,000'

ILS/DME 108.9 I-NKT Chan 26 Rwy 23R. GS unusable byd 6° left of course.

ASR/PAR

COMM/NAV/WEATHER REMARKS: Radar see Terminal FLIP for Radar Minima.

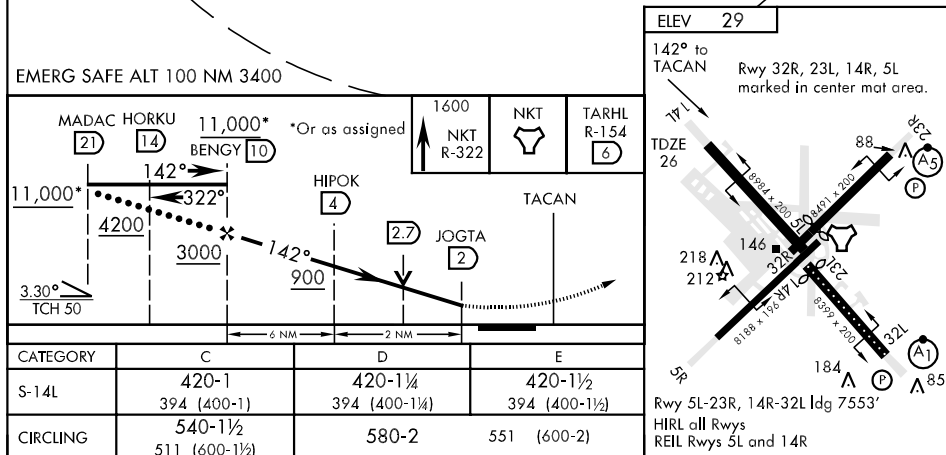
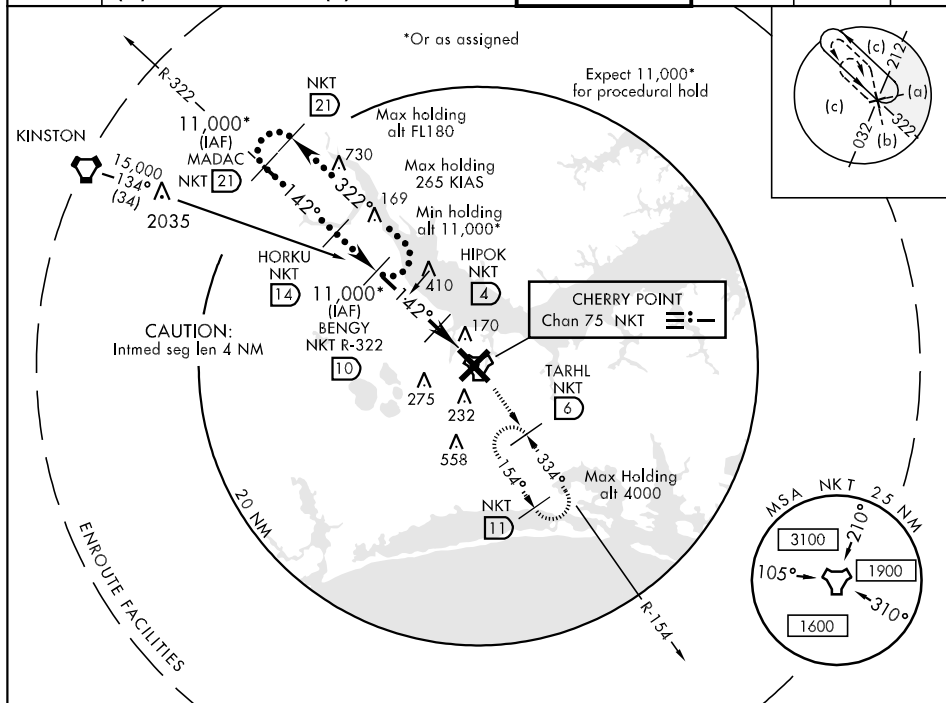
TACAN Chan	NKT 75	APCH CRS 225°	Rwy Idg TOZE Tirpt Elev	7553 23 29	AL-471 [USN]	CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)			
Procedure not authorized for pilot aircraft.					MALS R 	MISSED APPROACH: Climb to 1600 via NKT R-045 to NKT TACAN, then via R-240 to JULTO and hold.			
ATIS	CHERRY POINT APP CON				CHERRY POINT TOWER		GND CON	CLNC DEL	ASR/ PAR
127.475	(E) 124.1	268.7	(obv 2600')				128.625	125.95	
244.875	(E) 132.575	299.6	(at/blw 2600')		121.3 340.2		239.025	316.125	
	(W) 119.35	377.175	(N) 119.75 360.775						



TACAN	NKT	APCH CRS	Rwy ldg	8984
Chan 75		142°	TDZE	26
			Arpt Elev	29

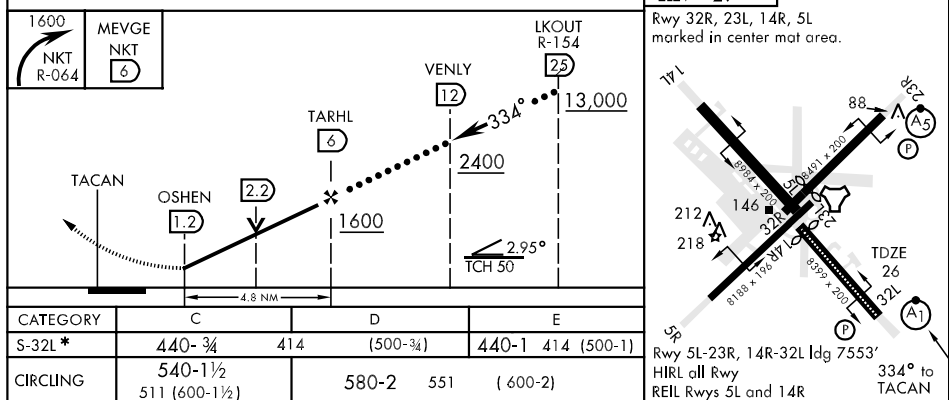
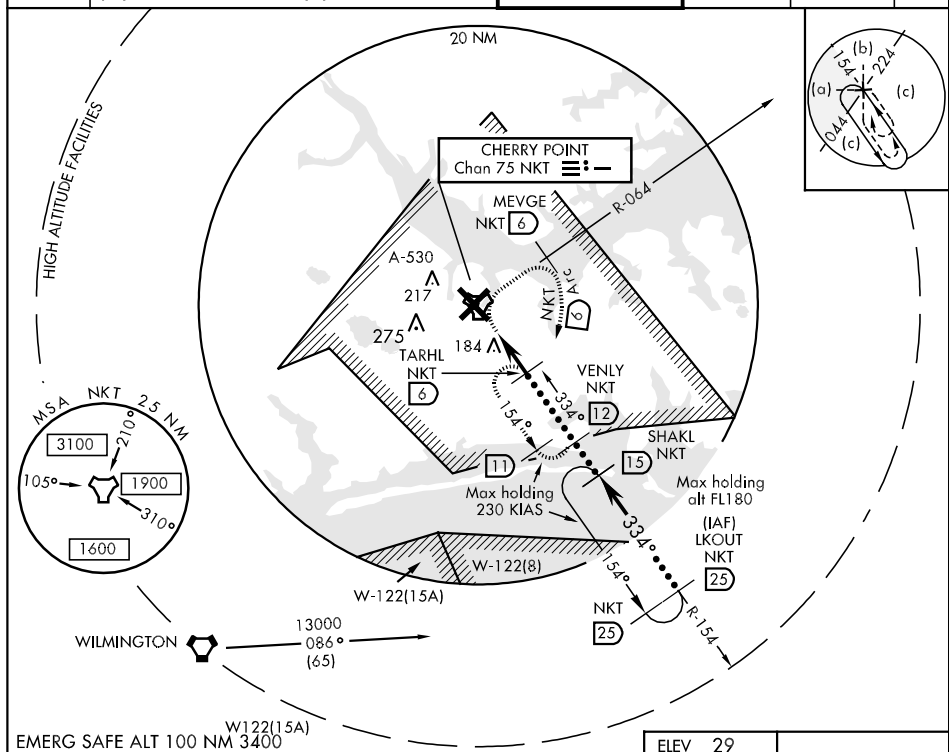
JAL-471 [USN] CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

ATIS 127.475 244.875				CHERRY POINT APP CON (E) 124.1 268.7 (abv 2600') (E) 132.575 299.6 (at/blw 2600') (W) 119.35 377.175 (N) 119.75 360.775				CHERRY POINT TOWER 121.3 340.2		GND CON 128.625 239.025	CLNC DEL 125.95 316.125	ASR/ PAR
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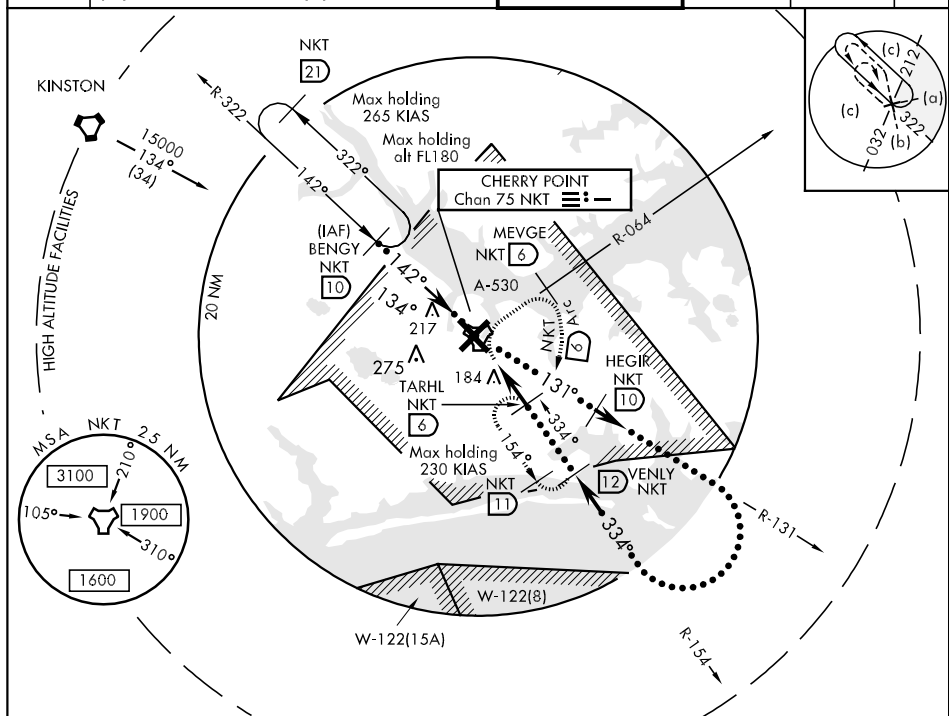
HI-TACAN RWY 32L

TACAN Chan	NKT 75	APCH CRS 334°	Rwy ldg TDZE Arprt Elev	7553 26 29	JAL-471 [USN]	CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)			
<div><div>▼</div><div>* When ALS inop, increase vis CAT CD to 1 ¼ mile, CAT E to 1½ mile.</div></div>					<div>ALS F-1</div> <div><div>A1</div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div>	MISSED APPROACH: Climbing right turn to 1600 via R-064 to MEVGE, arc E of NKT TACAN via 6 mile arc to TARHL and hold.			
ATIS	CHERRY POINT APP CON				CHERRY POINT TOWER		GND CON	CLNC DEL	ASR/ PAR
127.475	(E) 124.1 268.7 (abv 2600')				121.3 340.2		128.625	125.95	
244.875	(E) 132.575 299.6 (at/blw 2600')						239.025	316.125	
	(W) 119.35 377.175 (N) 119.75 360.775								



TACAN Chan 75	APCH CRS 334°	Rwy ldg TDZE 26 Arpt Elev 29	JAL-471 [USN]	CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)
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V * When ALS inop, increase vis CAT CD to 1½ mile, CAT E to 1½ mile.		ALSF-1 	MISSED APPROACH: Climbing right turn to 1600 via R-064 to MEVGE, arc E of NKT TACAN via 6 mile arc to TARHL and hold.		
ATIS 127.475 244.875	CHERRY POINT APP CON (E) 124.1 268.7 (abv 2600') (E) 132.575 299.6 (at/blw 2600') (W) 119.35 377.175 (N) 119.75 360.775	CHERRY POINT TOWER 121.3 340.2	GND CON 128.625 239.025	CLNC DEL 125.95 316.125	ASR/ PAR



EMERG SAFE ALT 100 NM 3400

BENGY R-322 		HEGIR 		MEVGE 	
TACAN 		Remain within 23 NM		Rwy 32R, 23L, 14R, 5L marked in center mat area.	
VENLY 		TARHL 		OSHEN 	
CATEGORY C		CATEGORY D		CATEGORY E	
S-32L *		440-¾ 414 (500-¾)		440-1 414 (500-1)	
CIRCLING		540-1½ 511 (600-1½)		580-2 551 (600-2)	

CHERRY POINT, NORTH CAROLINA

34° 54'N-76° 53'W

CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

Amdt 2 10266

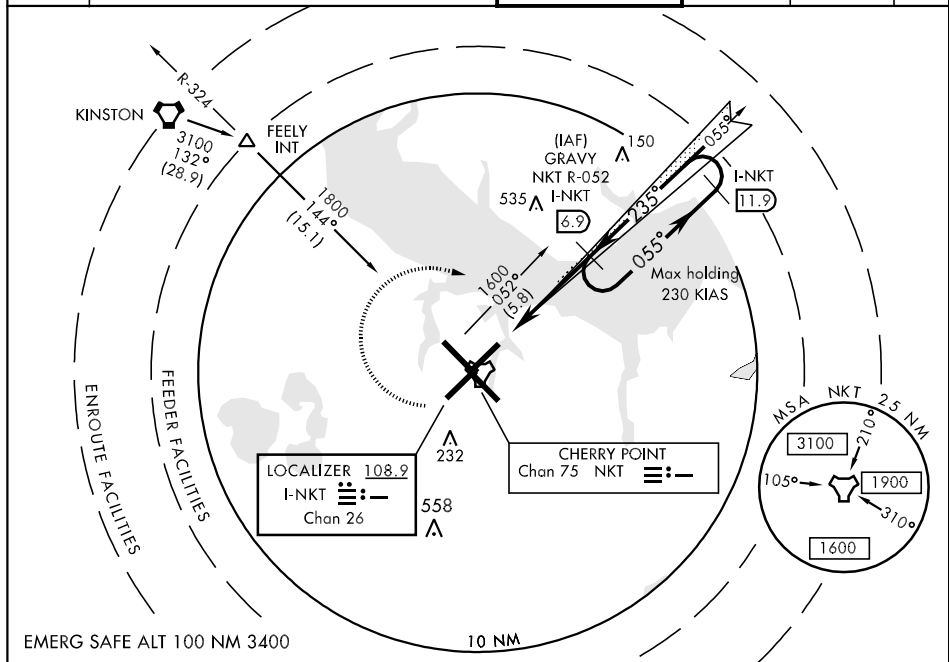
HI-TACAN Z RWY 32L

LOC I-NKT 108.9 Chan 26	APCH CRS 235°	Rwy Idg TDZE Arpt Elev	7553 23 29
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AL-471 [USN]

CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

CAUTION: ILS RPI and PAPI RRP are not coincident.		MALSR 	MISSED APPROACH: Climb to 500, then climbing right turn to 2600 via I-NKT north crs to GRAVY INT and hold.		
ATIS 127.475 244.875	CHERRY POINT APP CON (E) 124.1 268.7 (abv 2600') (E) 132.575 299.6 (at/blw 2600') (W) 119.35 377.175 (N) 119.75 360.775	CHERRY POINT TOWER 121.3 340.2	GND CON 128.625 239.025	CLNC DEL 125.95 316.125	ASR/ PAR



500 2600 GRAVY I-NKT 6.9		GRAVY NKT R-052 I-NKT 6.9		ELEV 29 Rwy 32R, 23L, 14R, 5L marked in center mat area.	
34:1 surface penetrated		I-NKT DME		235° 4.7 NM from FAF	
I-NKT 2.9 PEPAE I-NKT 3.0 GS 3.00° TCH 54		1585 235° 055° 1600		212 218 141 146 148 152 156 160 164 168 172 176 180 184 188 192 196 200 204 208 212 216 220 224 228 232 236 240 244 248 252 256 260 264 268 272 276 280 284 288 292 296 300	
0.7 4 NM		0.7 4 NM		500 2600 GRAVY I-NKT 6.9	
CATEGORY	A	B	C	D	
S-ILS 23R	273-¾	250 (300-¾)	273-1	250 (300-1)	
S-LOC/DME 23R	340-1	317 (400-1)			
CIRCLING	520-1½	491 (500-1½)	540-1½ 511 (600-1½)	580-2 551 (600-2)	

CHERRY POINT, NORTH CAROLINA

34° 54'N-76° 53'W

CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

LOC I-NKT 108.9 Chan 26	APCH CRS 235°	Rwy ldg 7553 TDZE 23 Arpt Elev 29
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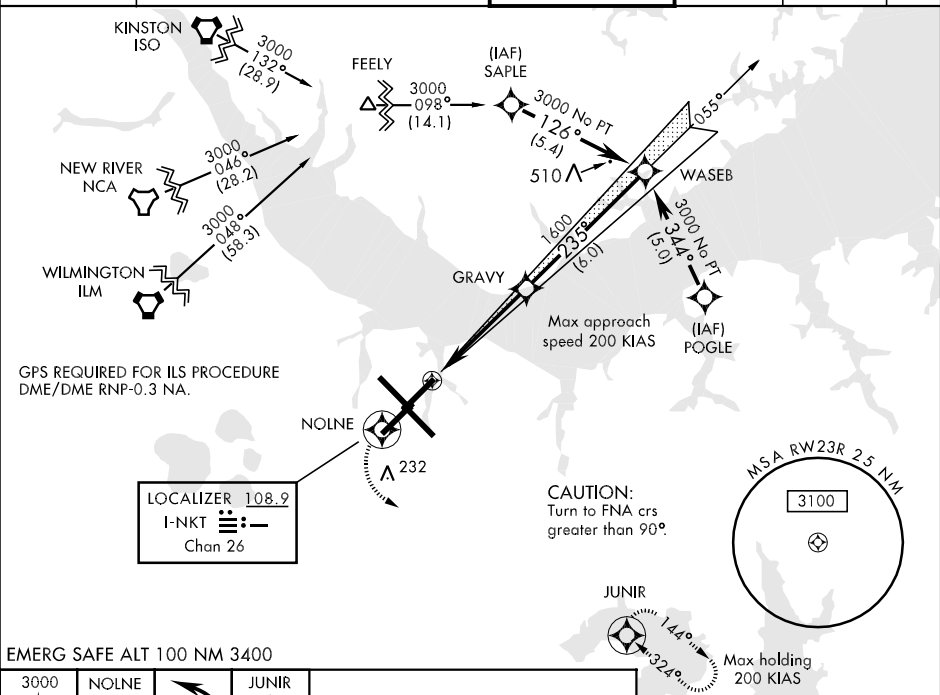
AL-471 [USN] CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

▼ * When ALS inop, increase vis CAT ABCD to 1¼ miles.
 ** When ALS inop, increase vis CAT ABCD to 1 mile.
 BARO VNAV NA below -0.6°(31°F).



MISSED APPROACH: Climb to 3000 direct NOLNE,
 then via 139° track to JUNIR and hold.

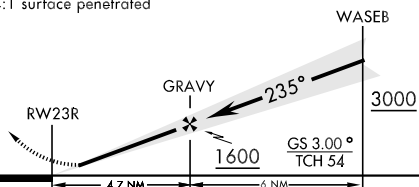
ATIS 127.475 244.875	CHERRY POINT APP CON (E) 124.1 268.7 (abv 2600') (E) 132.575 299.6 (at/blw 2600') (W) 119.35 377.175	CHERRY POINT TOWER 121.3 340.2	GND CON 128.625 239.025	CLNC DEL 125.95 316.125	ASR/ PAR
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EMERG SAFE ALT 100 NM 3400

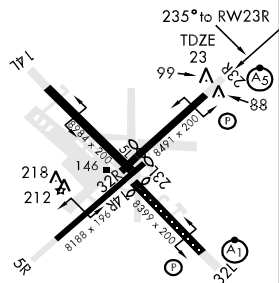


34:1 surface penetrated



CATEGORY	A	B	C	D
S-ILS	273-¾	250	(300-¾)	
LNAV / VNAV DA *	360-¾	337	(400-¾)	
LNAV MDA**	360-¾	337	(400-¾)	
CIRCLING	520-1½	491	(500-1½)	540-1½ 551 (600-1½)
				580-2 551 (600-2)

ELEV 29

Rwy 32R, 23L, 14R, 5L
marked in center mat area.

HIRL all Rwys
 REIL Rwys 5L and 14R
 Rwy 5L-23R, 14R-32L ldg 7553'

WAAS
Chan **71199**
W05A

APCH CRS
054°

Rwy Idg **8188**
TDZE **27**
Arpt Elev **29**

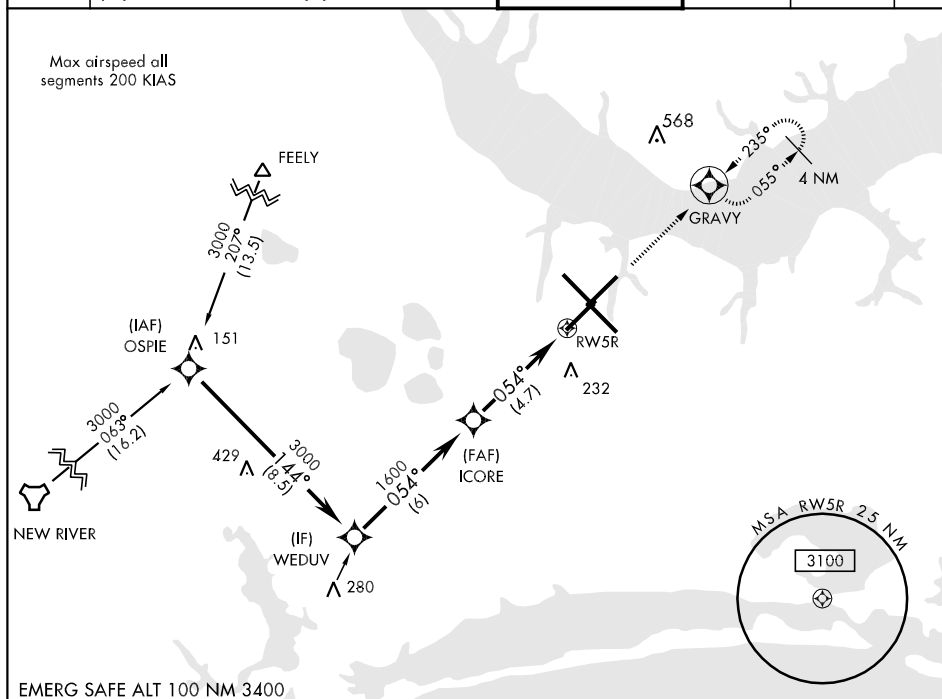
AL-471 [USN]

CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

▼ DME/DME RNP-0.3 NA.
For uncompensated BARO VNAV systems, LNAV/VNAV NA
below -15°C (5°F) or above 42°C (108°F).

MISSED APPROACH: Climb to 3000 direct GRAVY
and hold, continue climb in hold to 3000.

ATIS	CHERRY POINT APP CON	CHERRY POINT TOWER	GND CON	CLNC DEL	ASR/ PAR
127.475	(E) 124.1 268.7 (abv 2600')	121.3 340.2	128.625	125.95	
244.875	(E) 132.575 299.6 (at/blw 2600') (W) 119.35 377.175 (N) 119.75 360.775		239.025	316.125	



CATEGORY	* LNAV only			
	A	B	C	D
LPV DA	227-¾	200	(200-¾)	
LNAV/ VNAV DA	380-1½	353	(400-1½)	
LNAV MDA	480-1	453 (500-1)	480-1½ 453 (500-1½)	480-1½ 453 (500-1½)
CIRCLING	520-1½	491 (500-1½)	540-1½ 511 (600-1½)	580-2 551 (600-2)

CHERRY POINT, NORTH CAROLINA

34°54'N-76°53'W

CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

Amdt 1 10210

RNAV (GPS) RWY 5R

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

WAAS Chan 54304 W32A	APCH CRS 325°	Rwy Idg TDZE 26 Arpt Elev 29
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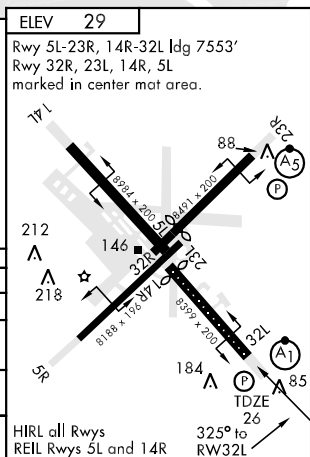
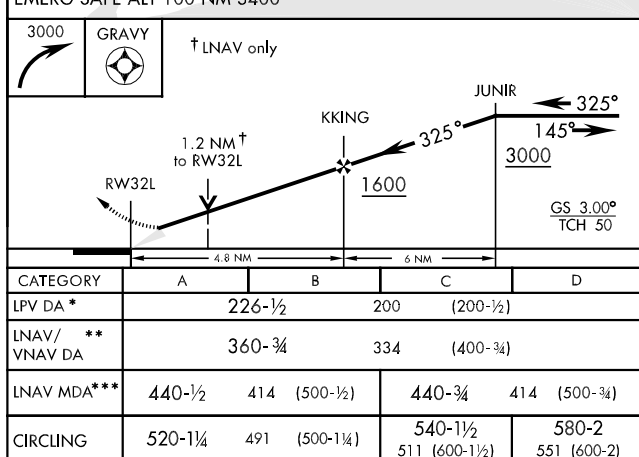
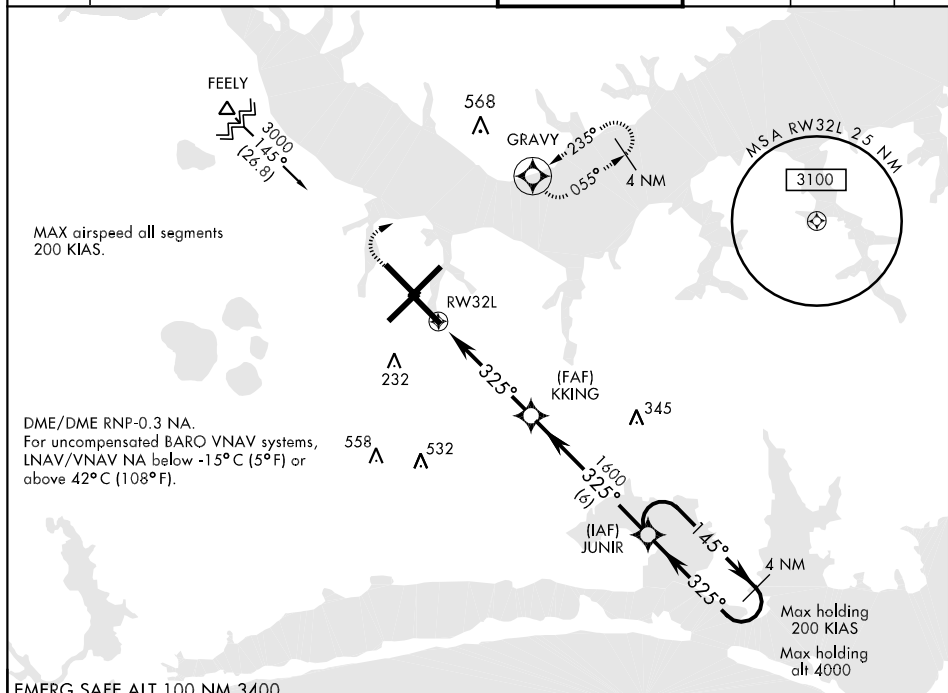
AL-471 [USN] CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

▼ **When ALS inop, increase CAT ABCD vis to ¾ mile.
 ***When ALS inop, increase CAT AB vis to 1 mile,
 CAT CD vis to 1½ miles.



MISSED APPROACH: Climbing right turn to 3000 direct
 GRAVY and hold, continue climb in hold to 3000.

ATIS 127.475 244.875	CHERRY POINT APP CON (E) 124.1 268.7 (abv 2600') (E) 132.575 299.6 (at/blw 2600') (W) 119.35 377.175 (N) 119.75 360.775	CHERRY POINT TOWER 121.3 340.2	GND CON 128.625 239.025	CLNC DEL 125.95 316.125	ASR/ PAR
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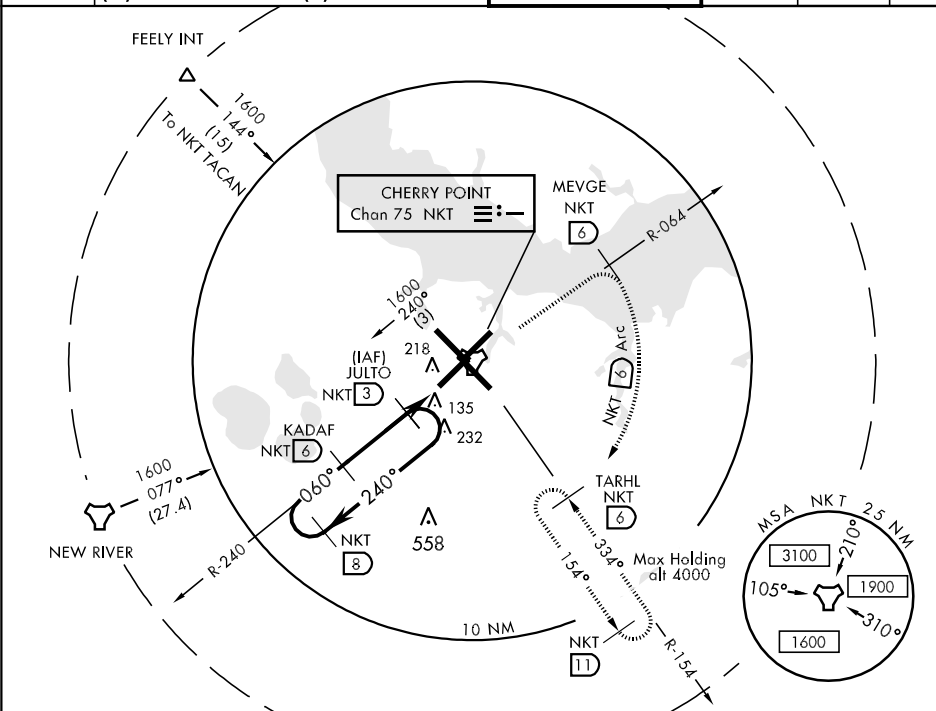
TACAN NKT Chan 75	APCH CRS 060°	Rwy Idg 8188 TDZE 27 Arpt Elev 29
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AL-471 [USN] CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

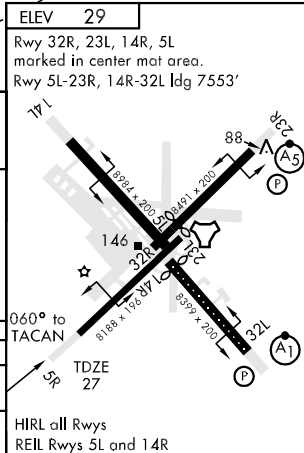
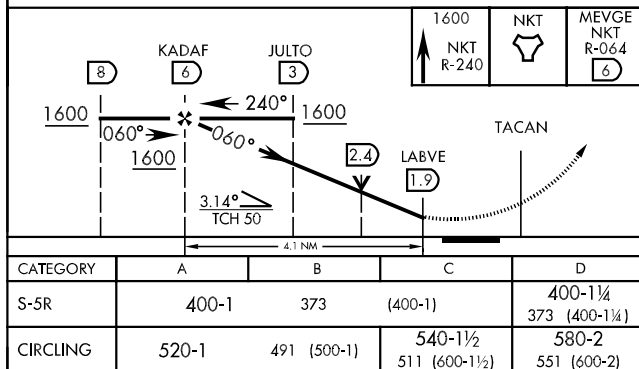


MISSED APPROACH: Climb to 1600 via NKT R-240 to NKT TACAN, then via R-064 to MEVGE. Arc East of NKT TACAN via 6 mile arc to TARHL and hold.

ATIS	CHERRY POINT APP CON			CHERRY POINT TOWER		GND CON	CLNC DEL	ASR/ PAR
127.475	(E)	124.1	268.7 (abv 2600')	121.3	340.2	128.625	125.95	
244.875	(W)	132.575	299.6 (at/blw 2600')			239.025	316.125	
	(E)	119.35	377.175	(N)	119.75 360.775			



EMERG SAFE ALT 100 NM 3400



CHERRY POINT, NORTH CAROLINA

34°54'N-76°53'W CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

Orig 10266


TACAN RWY 5R

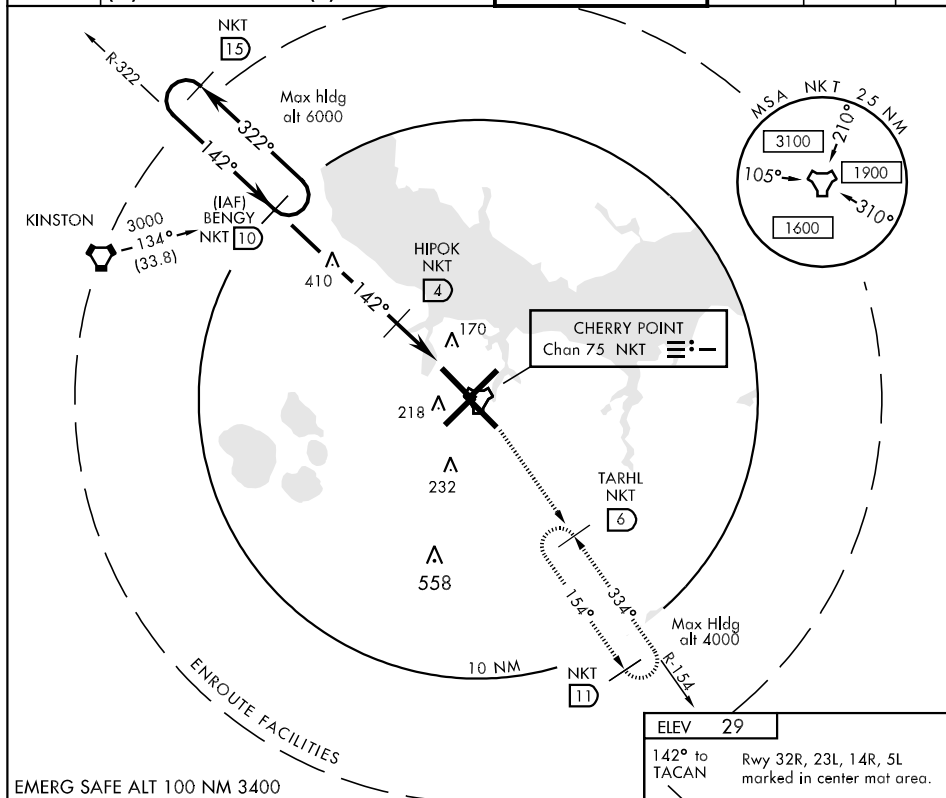
SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

TACAN NKT Chan 75	APCH CRS 142°	Rwy Idg TDZE Arprt Elev	8984 26 29
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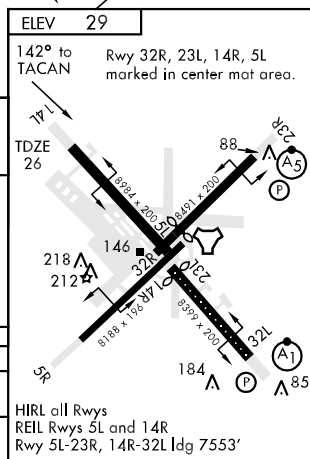
AL-471 [USN] CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

				MISSED APPROACH: Climb to 1600 via NKT R-322 to NKT TACAN, then via R-154 to TARHL and hold.				
ATIS		CHERRY POINT APP CON		CHERRY POINT TOWER		GND CON	CLNC DEL	ASR/ PAR
127.475	(E) 124.1 268.7 (obv 2600')					128.625	125.95	
244.875	(E) 132.575 299.6 (at/blw 2600')			121.3 340.2		239.025	316.125	
	(W) 119.35 377.175 (N) 119.75 360.775							



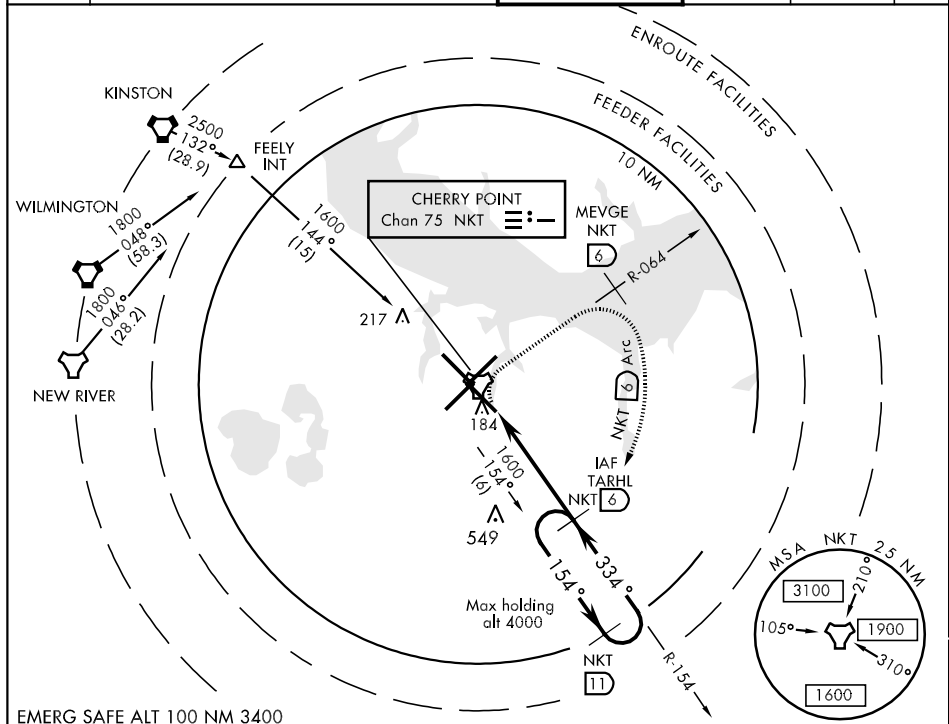
EMERG SAFE ALT 100 NM 3400

5 NM Holding Pattern BENGU R-322 3000 142° 3.30° TCH 50 6 NM 2 NM HIPOK (4) JOGTA (2) TACAN				
1600 NKT R-322 NKT TARHL R-154 (6)				
CATEGORY	A	B	C	D
S-14L	420-1	394	(400-1)	420-1½ 394 (400-1½)
CIRCLING	520-1	491 (500-1)	540-1½ 511 (600-1½)	580-2 551 (600-2)



TACAN	NKT	APCH CRS	Rwy Idg	7553	AL-471 [USN]	CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)
Chan	75	334°	TDZE	26		
			Arpt Elev	29		

<div><div></div><div>* When ALS inop, increase vis CAT AB to 1 mile, CAT CD to 1¼ mile. PAR to ½ mile.</div></div>				<div><div>ALSF-1</div><div><div><div>A1</div><div></div></div><div></div></div></div>		<div>MISSED APPROACH: Climbing right turn to 1600 via R-064 to MEVGE, arc E of NKT TACAN via 6 mile arc to TARHL and hold.</div>				
<div>ATIS</div> <div>127.475</div> <div>244.875</div>		<div>CHERRY POINT APP CON</div> <div>(E) 124.1 268.7 (abv 2600')</div> <div>(E) 132.575 299.6 (at/blw 2600')</div> <div>(W) 119.35 377.175 (N) 119.75 360.775</div>				<div>CHERRY POINT TOWER</div> <div>121.3 340.2</div>		<div>GND CON</div> <div>128.625</div> <div>239.025</div>	<div>CLNC DEL</div> <div>125.95</div> <div>316.125</div>	<div>ASR/ PAR</div>



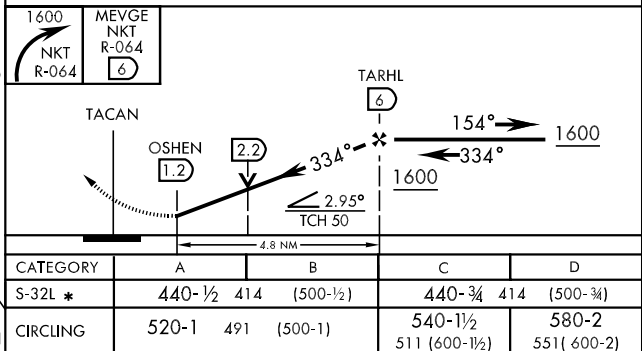
EMERG SAFE ALT 100 NM 3400

ELEV 29

Rwy 32R, 23L, 14R, 5L
marked in center mat area.

7V1
8394 × 203
146
32R
8188 × 175-87
5P
212 A
88
A5
8394 × 203
TDZE 26
A1
32L
334° to TACAN
8399 × 203
P
F

HIRL all Rwys
REIL Rwys 5L and 14R
Rwy 5L-23R, 14R-32L ldg 7553'



CHERRY POINT, NORTH CAROLINA

34° 54' N-76° 53' W

CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

CHOCOWINITY N35°30.58' W77°06.40' NOTAM FILE OCW.
NDB (MHW) 388 RNW 044° 4.6 NM to Warren Fld.

CHARLOTTE
L-35C

CITY LAKE N35°42.98' W79°51.92' NOTAM FILE HBI.
NDB (MHW) 266 CQJ 209° 4 NM to Asheboro Rgnl.

CHARLOTTE
L-25E, 36F

CLINTON N34°58.53' W78°21.78' NOTAM FILE CTZ.
NDB (MHW) 412 CTZ at Clinton-Sampson Co.

CHARLOTTE
L-35B, 36F

CLINTON

CLINTON-SAMPSON CO (CTZ) 2 SW UTC-5(-4DT) N34°58.50' W78°21.94'

CHARLOTTE

148 B S4 FUEL 100LL, JET A1+ NOTAM FILE CTZ

H-9C, 12H, L-35B, 36F

RWY 06-24: H5000X75 (ASPH) S-26 MIRL 0.3% up NE

IAP

RWY 06: REIL. PAPI(P2L)—GA 3.0° TCH 39'. Trees.

RWY 24: REIL. Trees.

AIRPORT REMARKS: Attended Mon-Sat 1330Z±-dusk, Sun 1800Z±-dusk. For arpt attendant after hrs call 910-592-3295 or 910-590-9100. Rwy 06 has a 40' dropoff 325' from thld and 120' left and a 60'+ dropoff 20' from thld and 110' right of centerline. Rwy 24 has a 30' dropoff 350' from thld and 175' right of centerline. 50' trees 300' from CL penetrate transitional sfc NW side of rwy from Rwy 24 apch sfc to Rwy 06 thld. ACTIVATE REIL Rwy 06 and Rwy 24—CTAF, MIRL Rwy 06-24 dusk-dawn, PAPI Rwy 06 on 24 hrs. Rwy 24 PAPI OTS indef.

WEATHER DATA SOURCES: AWOS-3 119.125 (910) 592-7488.

COMMUNICATIONS: CTAF/UNICOM 122.8

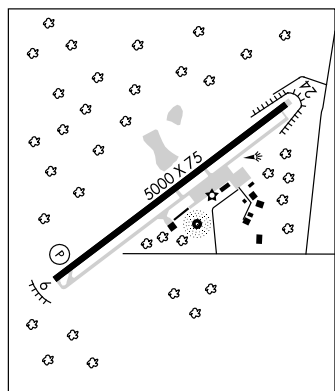
® FAYETTEVILLE APP/DEP CON 133.0

RADIO AIDS TO NAVIGATION: NOTAM FILE FAY.

FAYETTEVILLE (L) VOR/DME 108.8 FAY Chan 25 N34°59.13' W78°52.50' 095° 25.1 NM to fld. 179/04W.

CLINTON NDB (MHW) 412 CTZ N34°58.53' W78°21.78' at fld. NOTAM FILE CTZ.

ILS 109.7 I-SGO Rwy 06. LOC only. Localizer unusable inside 1.2 NM from thld and byd 25° rgt of centerline.



COASTAL CAROLINA RGNL (See NEW BERN)

COFIELD N36°22.37' W76°52.29' NOTAM FILE RDU.
(L) VORTAC 114.6 CVI Chan 93 262° 15.3 to Tri-County. 70/09W.
RCO 122.1R 114.6T (RALEIGH RADIO)

CHARLOTTE

H-9C, 12H, L-35C, 36H

COLUMBUS CO MUNI (See WHITEVILLE)

CONCORD RGNL (JQF) 7 W UTC-5(-4DT) N35°23.27' W80°42.55'

CHARLOTTE

705 B S4 FUEL 100LL, JET A, A1+ OX 3 ARFF Index—See Remarks

H-9B, 12H, L-25D, 36E

NOTAM FILE JQF

IAP, AD

RWY 02-20: H7400X100 (ASPH) D-72 HIRL 0.9% up N

RWY 02: REIL. PAPI(P4L)—GA 3.0° TCH 60'. Trees.

RWY 20: MALSR. PAPI(P4L)—GA 3.0° TCH 44'. Thld dsplcd 650'. Trees.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 02: TORA-7400 TODA-7400 ASDA-7400 LDA-7400

RWY 20: TORA-7400 TODA-7400 ASDA-7000 LDA-6350

AIRPORT REMARKS: Attended continuously. Class IV, ARFF Index A. Index C ARFF equipment avbl upon req. When twr clsd HIRL Rwy 02-20 and REIL Rwy 20 preset low ints. ACTIVATE MALSR Rwy 20—CTAF.

WEATHER DATA SOURCES: AWOS-3 133.675 (704) 785-2145.

COMMUNICATIONS: CTAF 134.65 UNICOM 122.95

® CHARLOTTE APP/DEP CON 128.32 CLNC DEL 127.25

TOWER 134.65 (1200-0400Z±) GND CON 121.85 CLNC DEL 118.55

AIRSPACE: CLASS D svc 1200-0400Z± other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE CLT.

CHARLOTTE (L) VOR/DME 115.0 CLT Chan 97 N35°11.42' W80°57.11' 050° 16.8 NM to fld. 732/05W.
HIWAS.

ILS/DME 111.95 I-JQF Chan 56(Y) Rwy 20. LOC unusable byd 30° right of centerline. Unmonitored.

CUNNINGHAM FLD (See CHERRY POINT MCAS)

LOC I-SGO	APP CRS	Rwy Idg	5000
<u>109.7</u>	060°	TDZE	143
		Apt Elev	148

LOC RWY 6
CLINTON-SAMPSON COUNTY (CTZ)

T If local altimeter setting not received, use Fayetteville
A NA altimeter setting and increase all MDAs 80 feet.

MISSED APPROACH: Climb to 1300 then climbing right turn to 2000 via heading 270° and I-SGO SW Course to TUSTY INT and hold.

AWOS-3
119.125

FAYETTEVILLE APP CON
133.0 295.0

UNICOM
122.8 (CTAF) **L**

RADAR REQUIRED

SEYMOUR JOHNSON ECHO MOA

FAYETTEVILLE
108.8 FAY 
Chn 25

LOCALIZER 109.7
I-SGO

MSA FAY 26 NM

2300

1131
△

GAMECOCK A MOA

ELEV 148

VGSI and descent
angles not coincident.
Localizer unusable
inside 1.1 NM.

1300	2000	hdg 270° I-SGO SW crs	TUSTY INT
------	------	--------------------------------	--------------

CATEGORY	A	B	C	D
S-6	520-1½ 377 (400-1½)			
CIRCLING	680-1½ 532 (600-1½)	780-1¾ 632 (700-1¾)		780-2 632 (700-2)

MIRL Rwy 6-24					
REIL Rwy 6 and 24 L					
FAF to MAP 4.5 NM					
Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

CLINTON, NORTH CAROLINA

CLINTON-SAMPSON COUNTY (CTZ)

Amdt 2 10266

34° 58'N-78° 22'W

LOC RWY 6

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy Idg	5000
060°	TDZE	143
	Apt Elev	148

RNAV (GPS) RWY 6

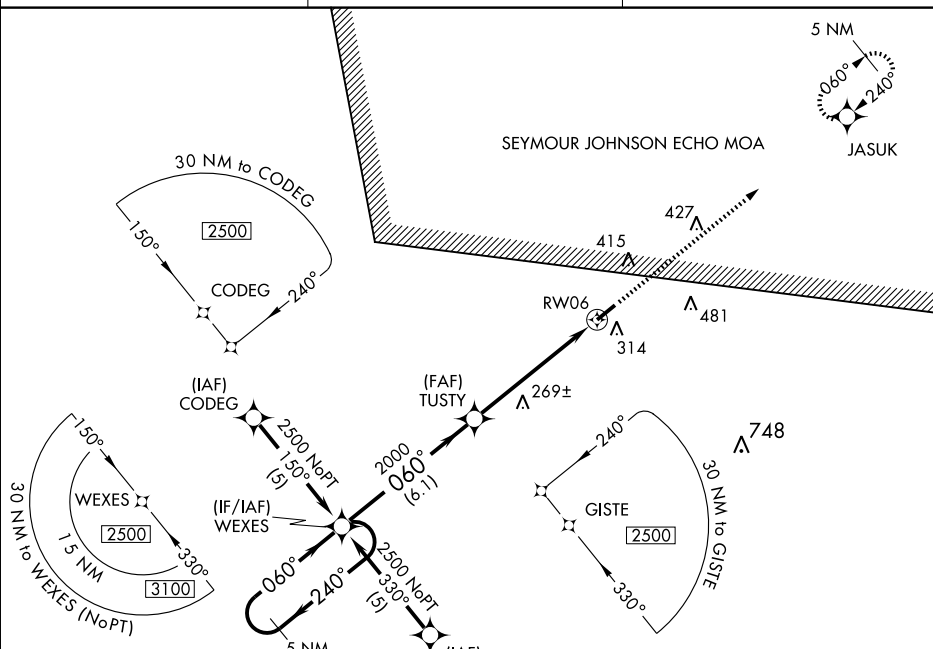
CLINTON-SAMPSON COUNTY (CTZ)

T If local altimeter setting not received, use Fayetteville altimeter setting
A and increase all MDAs 80 feet. DME/DME RNP-0.3 NA.
 VDP NA when using Fayetteville altimeter setting.

MISSED APPROACH: Climb to 2500 direct JASUK and hold.

AWOS-3
119.125

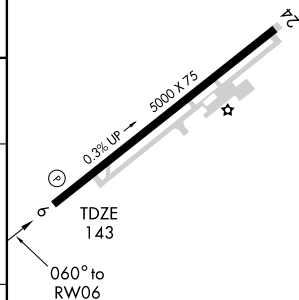
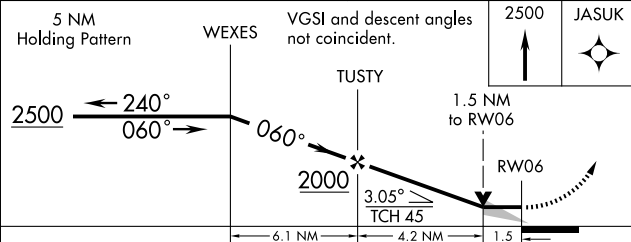
FAYETTEVILLE APP CON
133.0 295.0

UNICOM
122.8 (CTAF) **L**

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

ELEV 148



CATEGORY	A	B	C	D
LNAY MDA	620-1	477 (500-1)	620-1 $\frac{1}{4}$ 477 (500-1 $\frac{1}{4}$)	620-1 $\frac{1}{2}$ 477 (500-1 $\frac{1}{2}$)
CIRCLING	680-1	532 (600-1)	780-1 $\frac{3}{4}$ 632 (700-1 $\frac{3}{4}$)	780-2 632 (700-2)

MIRL Rwy 6-24
REIL Rwy 6 and 24 **L**

CLINTON, NORTH CAROLINA
Amdt 1 10266

34° 58'N-78° 22'W

CLINTON-SAMPSON COUNTY (CTZ)
RNAV (GPS) RWY 6

APP CRS	Rwy Idg	5000
240°	TDZE	144
	Apt Elev	148

RNAV (GPS) RWY 24

CLINTON-SAMPSON COUNTY (CTZ)

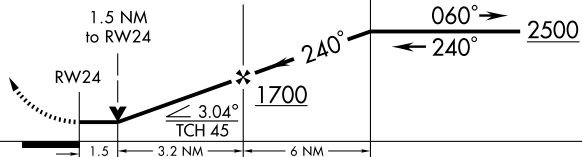
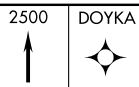
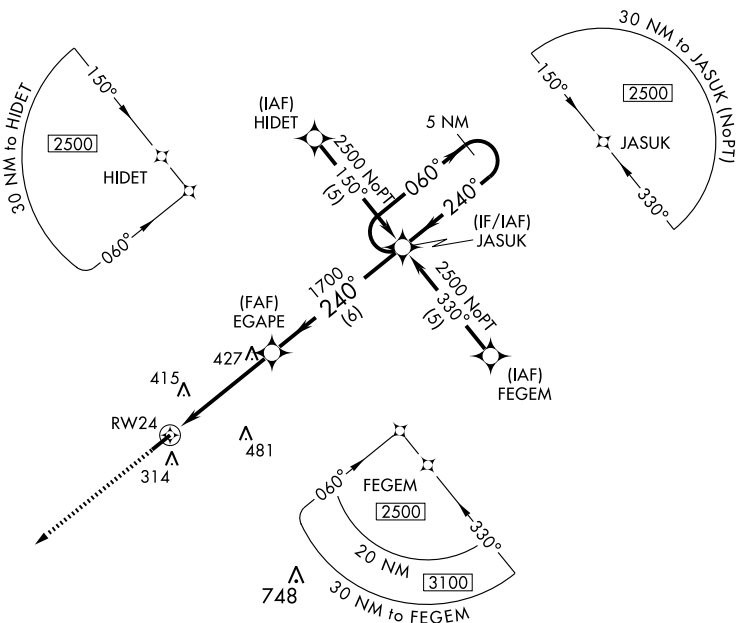
▼ GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. If local altimeter setting not received, use Fayetteville altimeter setting and increase all MDAs 80 feet. VDP NA with Fayetteville altimeter setting.

MISSED APPROACH: Climb to 2500 direct DOYKA and hold.

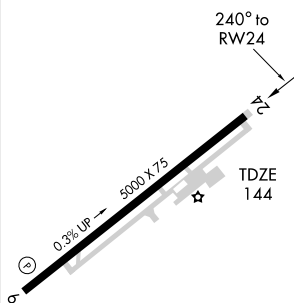
AWOS-3
119.125

FAYETTEVILLE APP CON
133.0 295.0

UNICOM
122.8 (CTAF) 0



ELEV **148**



CATEGORY	A	B	C	D
LNNAV MDA	680-1 536 (600-1)	680-1½ 536 (600-1½)	680-1¾ 536 (600-1¾)	680-2 536 (600-2)
CIRCLING	680-1 532 (600-1)	680-1½ 532 (600-1½)	680-1¾ 532 (600-1¾)	680-2 532 (600-2)

MIRL Rwy 6-24
REIL Rwy 6 and 24

VOR/DME FAY 108.8 Chan 25	APP CRS 095°	Rwy Idg TDZE Apt Elev 148	N/A N/A 148
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VOR/DME-A

CLINTON-SAMPSON COUNTY (CTZ)

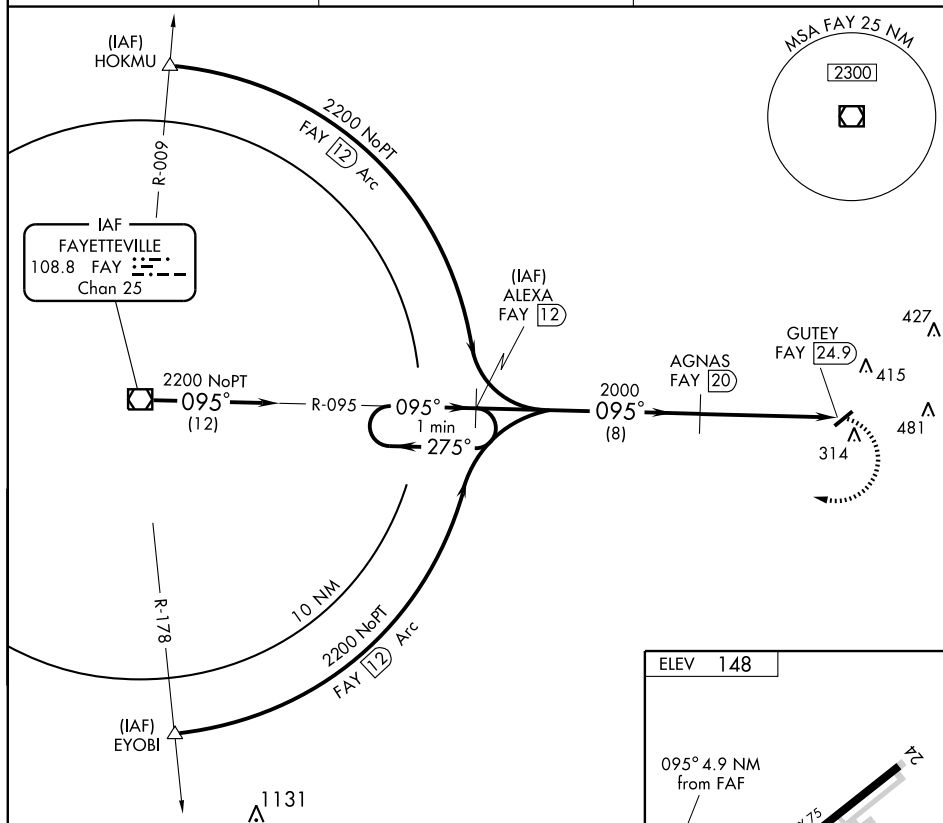
▼ If local altimeter setting not received, use Fayetteville
 ▲ altimeter setting and increase all MDAs 80 feet.

MISSED APPROACH: Climbing right turn to 2200
 via FAY R-095 to ALEXA/FAY 12 DME and hold.

AWOS-3
119.125

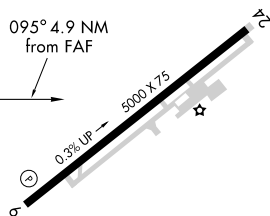
FAYETTEVILLE APP CON
133.0 295.0

UNICOM
122.8 (CTAF) 0



ELEV **148**

095° 4.9 NM
 from FAF



One Minute
 Holding Pattern

ALEXA
 FAY **12**

2200 ← 275°
 095° →

AGNAS
 FAY **20**

2200

FAY
 R-095

ALEXA
 FAY **12**

2000

GUTEY
 FAY **24.9**

8 NM 4.9 NM

CATEGORY	A	B	C	D
CIRCLING	760-1 612 (700-1)	760-1¼ 612 (700-1¼)	780-1¾ 632 (700-1¾)	780-2 632 (700-2)

AIRPORT DIAGRAM

AL-9155 (FAA)

CONCORD RGNL (JQF)
CONCORD, NORTH CAROLINA

AWOS-3
133.675
CONCORD TOWER ★
134.65
GND CON
121.85
CLNC DEL
118.55
CHARLOTTE CLNC DEL
127.25 (When Tower Closed)

D

VAR 7.5° N
JANUARY 2010
ANNUAL RATE OF CHANGE
0.1° W

FIELD
ELEV
705

35°24.0'N

35°23.5'N

35°23.0'N

RWY 02-20
D-72

TWR

PASSENGER
TERMINAL

7400 X 100

CAUTION: BE ALERT TO RUNWAY
CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING
INSTRUCTIONS IS REQUIRED.

80°43.0'W

80°42.5'W

80°42.0'W

ELEV
640

AIRPORT DIAGRAM

CONCORD, NORTH CAROLINA
CONCORD RGNL (JQF)

CHOCOWINITY N35°30.58' W77°06.40' NOTAM FILE OCW.
NDB (MHW) 388 RNW 044° 4.6 NM to Warren Fld.

CHARLOTTE
L-35C

CITY LAKE N35°42.98' W79°51.92' NOTAM FILE HBI.
NDB (MHW) 266 CQJ 209° 4 NM to Asheboro Rgnl.

CHARLOTTE
L-25E, 36F

CLINTON N34°58.53' W78°21.78' NOTAM FILE CTZ.
NDB (MHW) 412 CTZ at Clinton-Sampson Co.

CHARLOTTE
L-35B, 36F

CLINTON

CLINTON-SAMPSON CO (CTZ) 2 SW UTC-5(-4DT) N34°58.50' W78°21.94'

CHARLOTTE

148 B S4 FUEL 100LL, JET A1+ NOTAM FILE CTZ

H-9C, 12H, L-35B, 36F

RWY 06-24: H5000X75 (ASPH) S-26 MIRL 0.3% up NE

IAP

RWY 06: REIL. PAPI(P2L)—GA 3.0° TCH 39'. Trees.

RWY 24: REIL. Trees.

AIRPORT REMARKS: Attended Mon-Sat 1330Z±-dusk, Sun 1800Z±-dusk. For arpt attendant after hrs call 910-592-3295 or 910-590-9100. Rwy 06 has a 40' dropoff 325' from thld and 120' left and a 60'+ dropoff 20' from thld and 110' right of centerline. Rwy 24 has a 30' dropoff 350' from thld and 175' right of centerline. 50' trees 300' from CL penetrate transitional sfc NW side of rwy from Rwy 24 apch sfc to Rwy 06 thld. ACTIVATE REIL Rwy 06 and Rwy 24—CTAF, MIRL Rwy 06-24 dusk-dawn, PAPI Rwy 06 on 24 hrs. Rwy 24 PAPI OTS indef.

WEATHER DATA SOURCES: AWOS-3 119.125 (910) 592-7488.

COMMUNICATIONS: CTAF/UNICOM 122.8

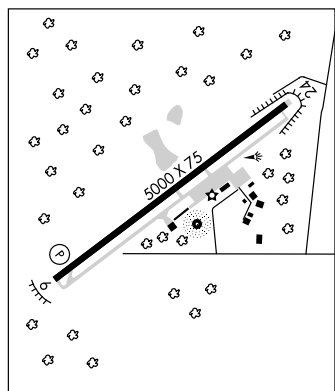
® FAYETTEVILLE APP/DEP CON 133.0

RADIO AIDS TO NAVIGATION: NOTAM FILE FAY.

FAYETTEVILLE (L) VOR/DME 108.8 FAY Chan 25 N34°59.13' W78°52.50' 095° 25.1 NM to fld. 179/04W.

CLINTON NDB (MHW) 412 CTZ N34°58.53' W78°21.78' at fld. NOTAM FILE CTZ.

ILS 109.7 I-SGO Rwy 06. LOC only. Localizer unusable inside 1.2 NM from thld and byd 25° rgt of centerline.



COASTAL CAROLINA RGNL (See NEW BERN)

COFIELD N36°22.37' W76°52.29' NOTAM FILE RDU.
(L) VORTAC 114.6 CVI Chan 93 262° 15.3 to Tri-County. 70/09W.
RCO 122.1R 114.6T (RALEIGH RADIO)

CHARLOTTE

H-9C, 12H, L-35C, 36H

COLUMBUS CO MUNI (See WHITEVILLE)

CONCORD RGNL (JQF) 7 W UTC-5(-4DT) N35°23.27' W80°42.55'

CHARLOTTE

705 B S4 FUEL 100LL, JET A, A1+ OX 3 ARFF Index—See Remarks

H-9B, 12H, L-25D, 36E

NOTAM FILE JQF

IAP, AD

RWY 02-20: H7400X100 (ASPH) D-72 HIRL 0.9% up N

RWY 02: REIL. PAPI(P4L)—GA 3.0° TCH 60'. Trees.

RWY 20: MALSR. PAPI(P4L)—GA 3.0° TCH 44'. Thld dsplcd 650'. Trees.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 02: TORA-7400 TODA-7400 ASDA-7400 LDA-7400

RWY 20: TORA-7400 TODA-7400 ASDA-7000 LDA-6350

AIRPORT REMARKS: Attended continuously. Class IV, ARFF Index A. Index C ARFF equipment avbl upon req. When twr clsd HIRL Rwy 02-20 and REIL Rwy 20 preset low ints. ACTIVATE MALSR Rwy 20—CTAF.

WEATHER DATA SOURCES: AWOS-3 133.675 (704) 785-2145.

COMMUNICATIONS: CTAF 134.65 UNICOM 122.95

® CHARLOTTE APP/DEP CON 128.32 CLNC DEL 127.25

TOWER 134.65 (1200-0400Z±) GND CON 121.85 CLNC DEL 118.55

AIRSPACE: CLASS D svc 1200-0400Z± other times CLASS G.

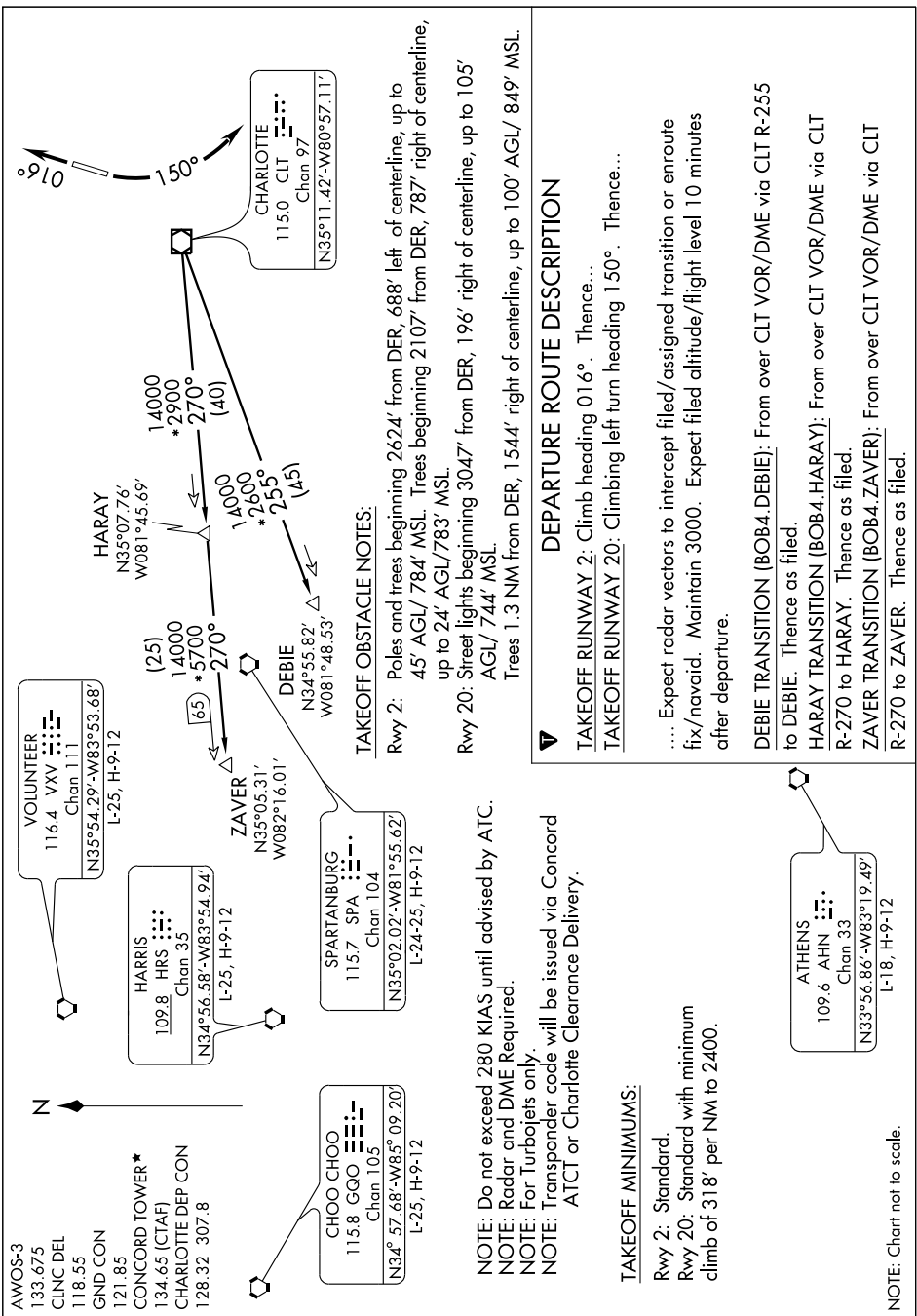
RADIO AIDS TO NAVIGATION: NOTAM FILE CLT.

CHARLOTTE (L) VOR/DME 115.0 CLT Chan 97 N35°11.42' W80°57.11' 050° 16.8 NM to fld. 732/05W.
HIWAS.

ILS/DME 111.95 I-JQF Chan 56(Y) Rwy 20. LOC unusable byd 30° right of centerline. Unmonitored.

CUNNINGHAM FLD (See CHERRY POINT MCAS)

SE-2, 21 OCT 2010 to 18 NOV 2010

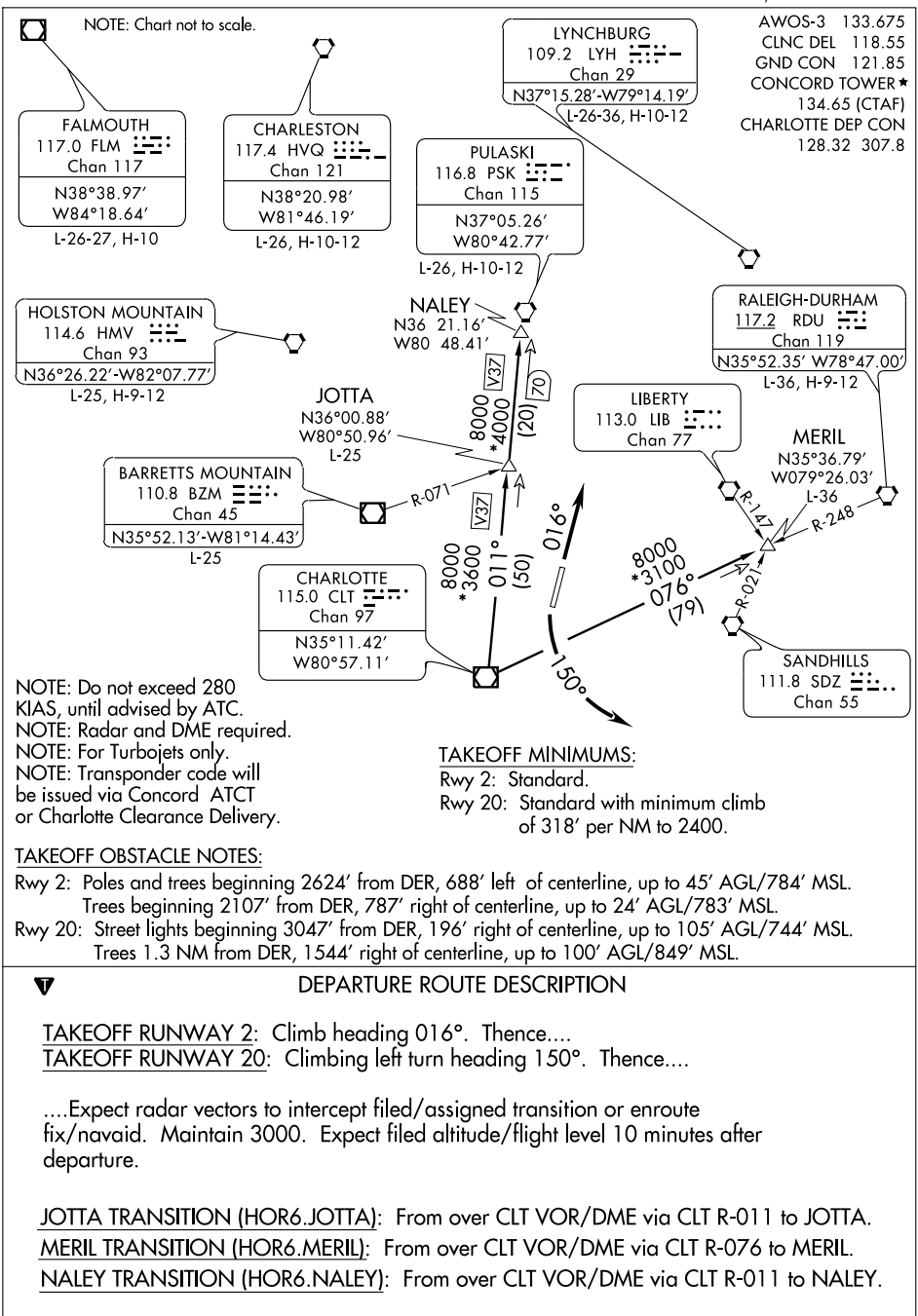


SE-2, 21 OCT 2010 to 18 NOV 2010

HORNET SIX DEPARTURE

SL-9155 (FAA)

CONCORD RGNL (JQF)
CONCORD, NORTH CAROLINA



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

HUGO ONE DEPARTURE

SL-9155 (FAA)

CONCORD RGNL (JQT)
CONCORD, NORTH CAROLINA

AWOS-3
133.675
CLNC DEL
118.55
GND CON
121.85
CONCORD TOWER ★
134.65 (CTAF)

HOLSTON MOUNTAIN
114.6 HMV
Chan 93
N36°26.22' W82°07.77'
L-25, H-9-12

NORTHWEST

CHARLOTTE DEP CON
134.75 257.2

SUGARLOAF MOUNTAIN
112.2 SUG
Chan 59
N35°24.39' W82°16.12'
L-25

FOOTHILLS
113.4 ODF
Chan 81
N34°41.75'
W83°17.86'
L-25, H-9-12

GREENWOOD
115.5 GRD
Chan 102
N34°15.09'
W82°09.25'
L-24, H-9-12

ELECTRIC CITY
108.6 ELW
Chan 23
N34°25.15'
W82°47.08'
L-18

COLLIERS
113.9 IRQ
Chan 86
N33°42.44' W82°09.72'
L-24, H-9-12

CHARLESTON
117.4 HVQ
Chan 121
N38°20.98' W81°46.19'
L-26, H-10-12

LYNCHBURG
109.2 LYH
Chan 29
N37°15.28' W79°14.19'
L-26-36, H-10-12

PULASKI
116.8 PSK
Chan 115
N37°05.26' W80°42.77'
L-26, H-10-12

CHARLOTTE
115.0 CLT
Chan 97
N35°11.42'
W80°57.11'

RALEIGH-DURHAM
117.2 RDU
Chan 119
N35°52.35' W78°47.00'
L-36, H-9-12

GIPPR
N35°12.58'
W79°59.13'
L-25-36

SANDHILLS
111.8 SDZ
Chan 55

CHESTERFIELD
108.2 CTF
Chan 19

CHOPN
N34°14.90'
W80°32.35'

ANDYS
N34°22.25'
W81°08.63'

SOUTHEAST
CHARLOTTE DEP CON
128.325 307.8

COLUMBIA
114.7 CAE
Chan 94
N33°51.43' W81°03.23'
L-24, H-9-12

SAVANNAH
115.95 SAV
Chan 106 (Y)
N32°08.78' W81°11.95'
L-24, H-9-12

TAKEOFF MINIMUMS:

Rwy 2: Standard.

Rwy 20: Standard with minimum climb
of 318' per NM to 2400.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: TURBOPROPS: Operate in a manner that will result in best forward speed and climb rate.
NOTE: Radar and DME required.
NOTE: For propeller aircraft only.
NOTE: Transponder code will be issued via Concord ATCT or Charlotte Clearance Delivery.

NOTE: Chart not to scale.

HUGO ONE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 2: Climb heading 016°. Thence....

TAKEOFF RUNWAY 20: Climbing left turn heading 150°. Thence....

....Expect radar vectors to intercept filed/assigned transition or enroute fix/navaid. Maintain 3000, expect filed altitude/flight level 10 minutes after departure.

ANDYS TRANSITION (HUG1..ANDYS): From over CLT VOR/DME via CLT R-196 to ANDYS.

CHOPN TRANSITION (HUG1..CHOPN): From over CLT VOR/DME via CLT R-165 to CHOPN.

DEBIE TRANSITION (HUG1..DEBIE): From over CLT VOR/DME via CLT R-255 to DEBIE.

GIPPR TRANSITION (HUG1..GIPPR): From over CLT VOR/DME via CLT R-093 to GIPPR.

PITTY TRANSITION (HUG1..PITTY): From over CLT VOR/DME via CLT R-286 to PITTY.

ROBAY TRANSITION (HUG1..ROBAY): From over CLT VOR/DME via CLT R-347 to ROBAY.

SADIE TRANSITION (HUG1..SADIE): From over CLT VOR/DME via CLT R-347 to SADIE.

TAKEOFF OBSTACLE NOTES:

Rwy 2: Poles and trees beginning 2624' from DER, 688' left of centerline, up to 45' AGL/784' MSL.

Trees beginning 2107' from DER, 787' right of centerline, up to 24' AGL/783' MSL.

Rwy 20: Street lights beginning 3047' from DER, 196' right of centerline, up to 105' AGL/744' MSL.

Trees 1.3 NM from DER, 1544' right of centerline, up to 100' AGL/849' MSL.

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

LOC/DME I-JQF <u>111.95</u> Chan 56 (Y)	APP CRS 196°	Rwy Idg 6350 TDZE 705 Apt Elev 705
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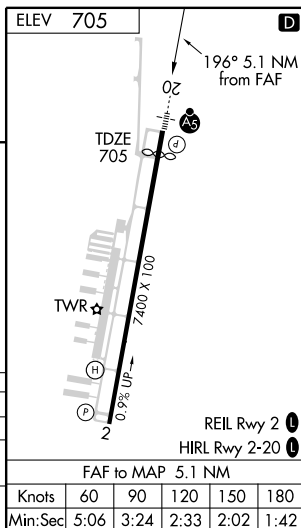
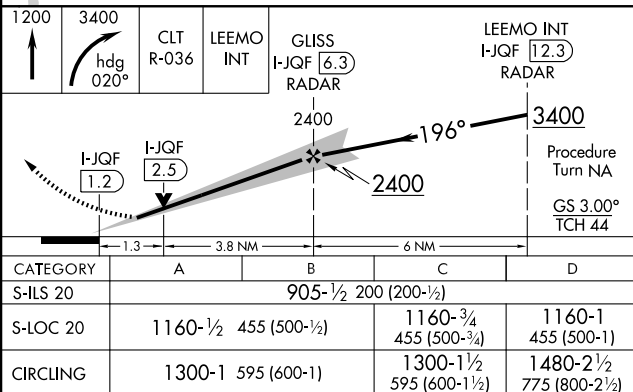
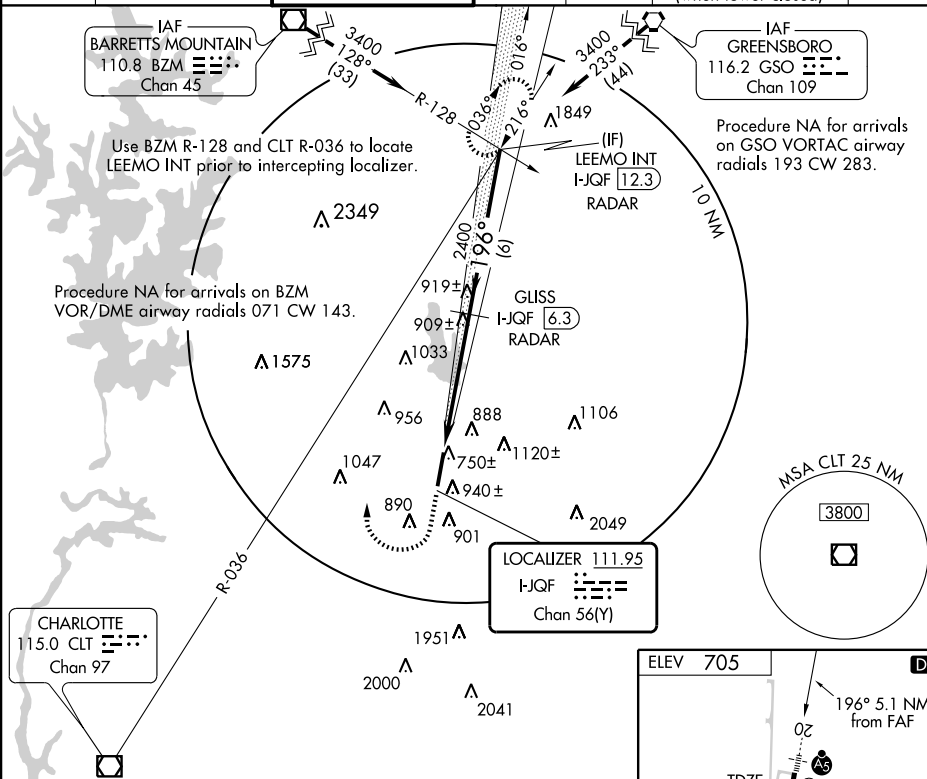
ILS or LOC RWY 20
CONCORD RGNL (JQF)

T If local altimeter setting not received, use Charlotte altimeter setting and increase all DA/MDAs 60 feet. **A** VDP NA when using Charlotte altimeter setting. Radar or DME Required.

MALSR

MISSED APPROACH: Climb to 1200 then climbing right turn to 3400 via heading 020° and CLT R-036 to JFMO INT/I-JQE 12.3 DME and hold.

AWOS-3 133.675	CHARLOTTE APP CON 128.32 307.8	CONCORD TOWER ★ 134.65 (CTAF) 0	GND CON 121.85	CLNC DEL 118.55	CHARLOTTE CLNC DEL 127.25 (when tower closed)	UNICOM 122.95
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CONCORD, NORTH CAROLINA

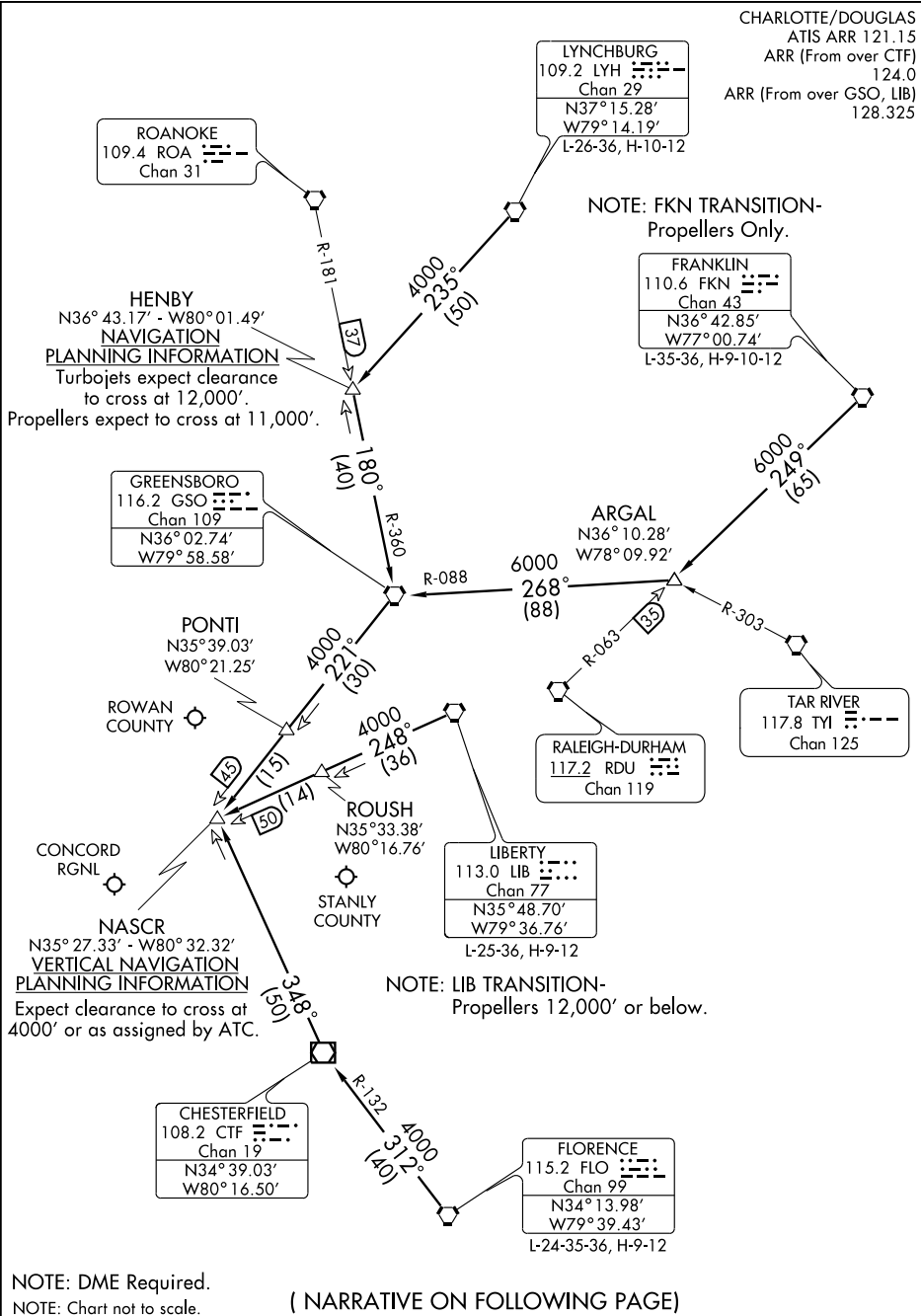
Amdt 2 09351

35°23'N-80°43'W

CONCORD RGNL (JQ.F)

ILS or LOC RWY 20

SE-2. 21 OCT 2010 to 18 NOV 2010



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

NOTE: DME Required.
NOTE: Chart not to scale.

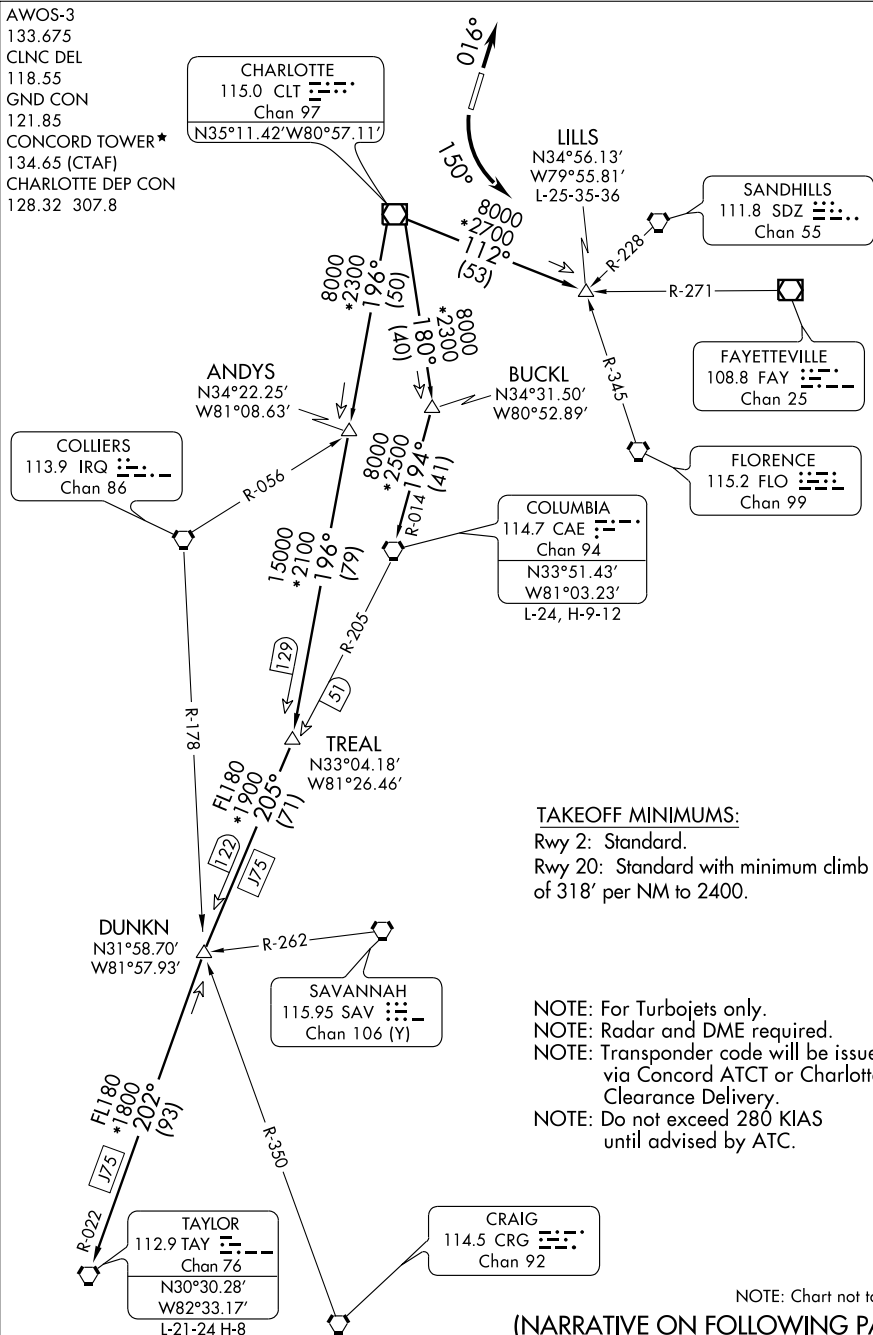
(NARRATIVE ON FOLLOWING PAGE)

PANTHER ONE DEPARTURE

SL-9155 (FAA)

CONCORD RGNL (JQF)
CONCORD, NORTH CAROLINA

AWOS-3
133.675
CLNC DEL
118.55
GND CON
121.85
CONCORD TOWER*
134.65 (CTAF)
CHARLOTTE DEP CON
128.32 307.8

TAKEOFF MINIMUMS:

Rwy 2: Standard.

Rwy 20: Standard with minimum climb
of 318' per NM to 2400.

NOTE: For Turbojets only.

NOTE: Radar and DME required.

NOTE: Transponder code will be issued
via Concord ATCT or Charlotte
Clearance Delivery.NOTE: Do not exceed 280 KIAS
until advised by ATC.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

PANTHER ONE DEPARTURE

CONCORD, NORTH CAROLINA
CONCORD RGNL (JQF)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 2: Climb heading 016°. Thence...

TAKEOFF RUNWAY 20: Climbling left turn heading 150°. Thence...

..... Expect radar vectors to intercept filed/assigned transition or enroute fix/navaid. Maintain 3000, expect filed altitude/flight level 10 minutes after departure.

ANDYS TRANSITION (PAN1.ANDYS): From over CLT VOR/DME via CLT R-196 to ANDYS.

COLUMBIA TRANSITION (PAN1.CAE): From over CLT VOR/DME via CLT R-180 and CAE R-014 to CAE VORTAC.

LILLS TRANSITION (PAN1.LILLS): From over CLT VOR/DME via CLT R-112 to LILLS.

TAYLOR TRANSITION (PAN1.TAY): From over CLT VOR/DME via CLT R-196 to TREAL and CAE R-205 to DUNKN and TAY R-022 to TAY VORTAC.

TAKEOFF OBSTACLE NOTES:

Rwy 2: Poles and trees beginning 2624' from DER, 688' left of centerline, up to 45' AGL/784' MSL.

Trees beginning 2107' from DER, 787' right of centerline, up to 24' AGL/783' MSL.

Rwy 20: Street lights beginning 3047' from DER, 196' right of centerline, up to 105' AGL/744' MSL.

Trees 1.3 NM from DER, 1544' right of centerline, up to 100' AGL/849' MSL.

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

WAAS CH 56228 W02A	APP CRS 016°	Rwy Idg TDZE Apt Elev	7400 667 705
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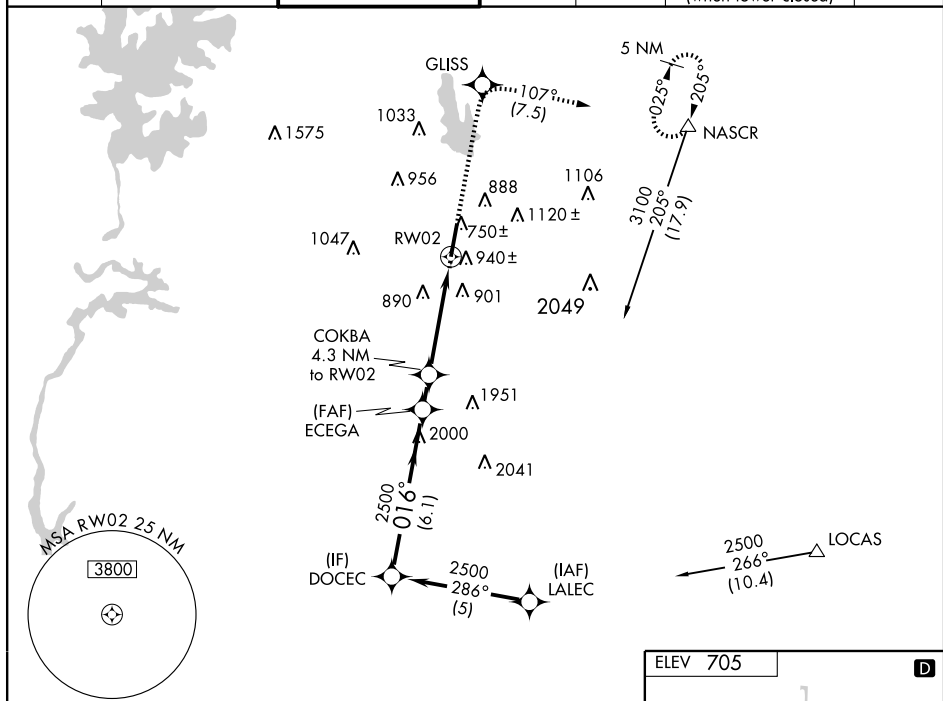
RNAV (GPS) RWY 2

CONCORD RGNL (JQF)

▼ DME/DME RNP-0.3 NA. Baro-VNAV NA below -16°C (4°F). If local altimeter setting not received, use Charlotte altimeter setting and increase all DAs/MDAs 60 feet. VDP and Baro-VNAV NA when using Charlotte altimeter setting.

MISSED APPROACH: Climb to 3100 direct GLISS and right turn via 107° track to NASCR and hold.

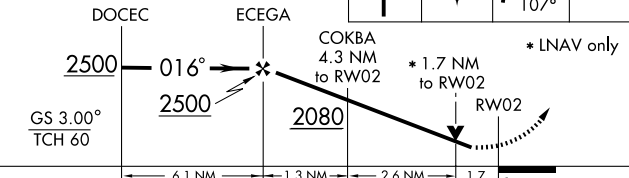
AWOS-3 133.675	CHARLOTTE APP CON 128.32 307.8	CONCORD TOWER ★ 134.65 (CTAF) 0	GND CON 121.85	CLNC DEL 118.55	CHARLOTTE CLNC DEL 127.25 (when tower closed)	UNICOM 122.95
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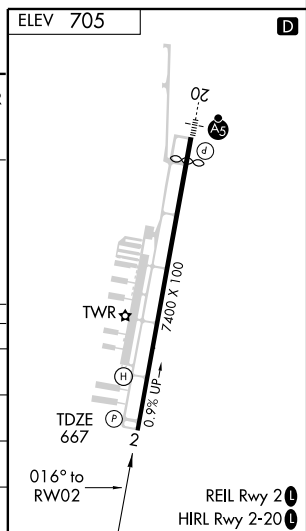
Procedure Turn NA

3100 GLISS NASCR

trk 107°



CATEGORY	A	B	C	D
LPV DA	983-1¼		316 (300-1¼)	
LNAV/VNAV DA	1220-2		553 (600-2)	
LNAV MDA	1240-1 573 (600-1)		1240-1½ 573 (600-1½)	1240-1¾ 573 (600-1¾)
CIRCLING	1300-2 595 (600-2)		1480-2½ 775 (800-2½)	



WAAS CH 56499 W20A	APP CRS 196°	Rwy Idg TDZE Apt Elev	6350 705 705
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RNAV (GPS) RWY 20

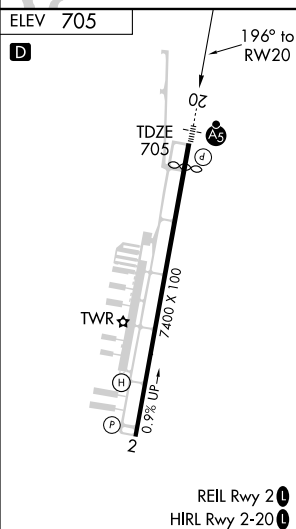
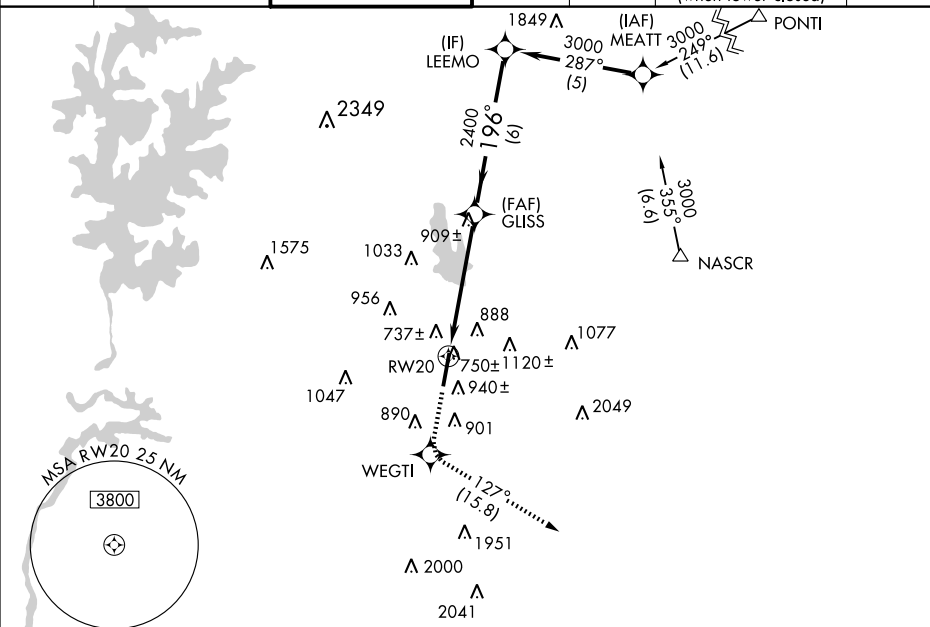
CONCORD RGNL (JQF)

⚠ DME/DME RNP-0.3 NA. Baro-VNAV NA below -16°C (4°F). For inoperative MALSR increase LPV visibility to 1. If local altimeter setting not received, use Charlotte altimeter setting and increase all DAs/MDAs 60 feet. VDP and Baro-VNAV NA when using Charlotte altimeter setting.



MISSED APPROACH: Climb to 3000 direct WEGTI and via 127° track to LOCAS and hold.

AWOS-3 133.675	CHARLOTTE APP CON 128.32 307.8	CONCORD TOWER ★ 134.65 (CTAF) 0	GND CON 121.85	CLNC DEL 118.55	CHARLOTTE CLNC DEL 127.25 (when tower closed)	UNICOM 122.95
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3000

↑

WEGTI

✦

LOCAS

△

trk 127°

LEEMO

3000

Procedure Turn NA

GS 3.00°

TCH 44

* LNAV only

* 1.8 NM to RW20

RW20

GLISS

196°

2400

1.8 NM

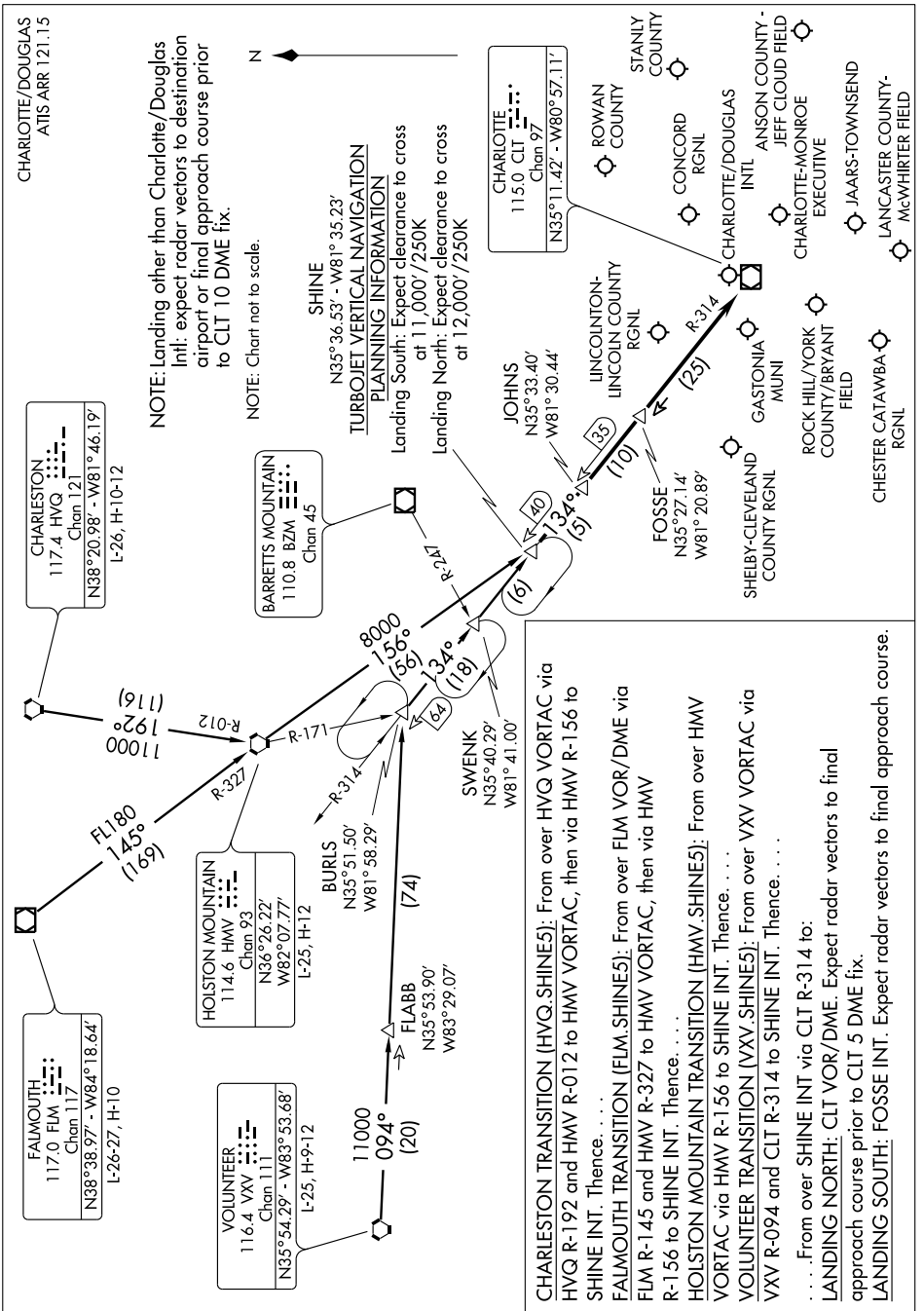
3.4 NM

6 NM

CATEGORY	A	B	C	D
LPV DA		955-1/2	250 (300-1/2)	
LNAV/VNAV DA		1222-1 1/4	517 (600-1 1/4)	
LNAV MDA	1300-1/2	595 (600-1/2)	1300-1 595 (600-1)	1300-1 1/4 595 (600-1 1/4)
CIRCLING	1300-1 3/4	595 (600-1 3/4)		1480-2 1/2 775 (800-2 1/2)

SHINE FIVE ARRIVAL

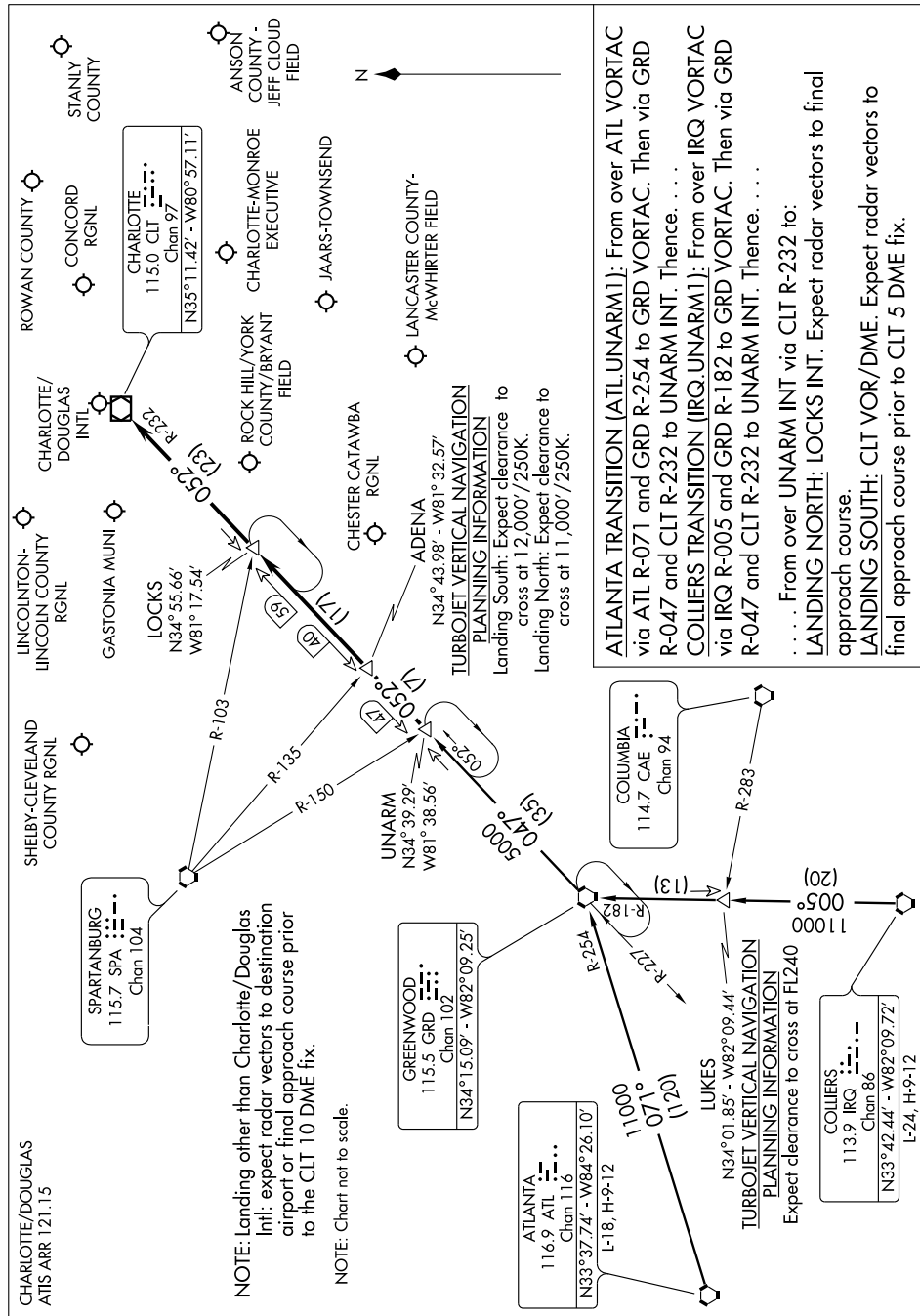
CHARLOTTE, NORTH CAROLINA



SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA

SE-2, 21 OCT 2010 to 18 NOV 2010



SE-2, 21 OCT 2010 to 18 NOV 2010

CURRITUCK CO RGNL (ONX) 4 S UTC-5(-4DT) N36°24.00' W76°00.93'

18 B S2 FUEL 100LL, JET A1+ TPA-818(800) NOTAM FILE ONX

RWY 05-23: H5500X150 (ASPH-CONC) S-20, D-35 MIRL

RWY 05: REIL. PAPI(P2L)—GA 3.0° TCH 24'.

RWY 23: REIL. PAPI(P2L)—GA 3.0° TCH 41'. Trees.

AIRPORT REMARKS: Attended 1300-2200Z†, 1300-2000Z†. CLOSED on all state holidays. After hrs svc call 252-232-2116. Currituck County emergency number communication center 252-232-2216. Fuel avbl 24 hrs with credit card. Birds and deer on and invof arpt. Hang glider activity SR-SS. ACTIVATE MIRL Rwy 05-23 and PAPI Rwy 05 and Rwy 23 and REIL Rwy 05 and Rwy 23 after SS—CTAF. PAPI Rwy 05 and Rwy 23 opr continuously during daylight hrs.

WEATHER DATA SOURCES: AWOS-3 119.775 (252) 453-8939.

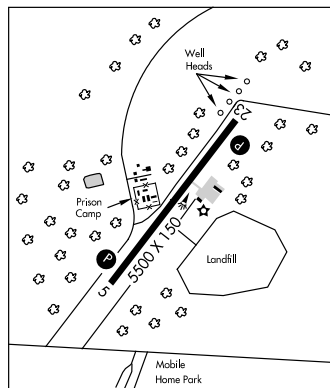
COMMUNICATIONS: CTAF 122.9

Ⓡ OCEANA APP/DEP CON 123.9

RADIO AIDS TO NAVIGATION: NOTAM FILE ECG.

ELIZABETH CITY (L) VOR/DME 112.5 ECG Chan 72 N36°15.46'

W76°10.54' 049° 11.5 NM to fld. 10/07W. HIWAS.



CURTIS L BROWN JR FIELD (See ELIZABETHTOWN)

DARE CO RGNL (See MANTEO)

DAVIDSON CO (See LEXINGTON)

DIXON N34°34.11' W77°27.18' NOTAM FILE RDU.

NDB/DME (HHW) 198 DIW Chan 107 015° 8 NM to New River MCAS. DME portion unusable byd 40 NM blo 16,500'.

CHARLOTTE

H-9C, L-35B

DONALD'S AIR PARK INC (See PLYMOUTH)

DOONE N34°54.75' W78°56.38' NOTAM FILE FAY.

NDB (LOM) 367 GR 039° 5.6 NM to Fayetteville Rgnl/Grannis Fld.

CHARLOTTE

DS BUTLER FARM AND AIRFIELD (See OAKRIDGE)

DUPLIN CO (See KENANSVILLE)

EAGLES NEST (See POTTERS HILL)

EDEN

ROCKINGHAM CO HELIPORT (8NØ) 0 N UTC-5(-4DT) N36°29.64' W79°44.39'

CINCINNATI

605 B NOTAM FILE RDU

HELIPAD H1: H60X60 (CONC)

HELIPAD H1: LDIN(NSTD)—Pole.

HELIPORT REMARKS: Unattended. Numerous +30' light poles in parking lot. +30' antenna on top of hospital (122' AGL) 300' NE of pad. Parking area NW of ldg pad; +4' perimeter fence within 13' of heliport—SW corner. 300' AGL cell twr 4500' NW of helipad. Helipad must be avbl for emergency ops. If aircraft unattended, use parking area NW of landing pad. For information call manager cell 336-573-3115/336-520-7886 minimum 24 hr in advance. NSTD ldg lgts and in ground concrete direction arrows on apch/dep path (east and northwest). Helipad H1 three perimeter lgts. 60' diameter concrete pad. Rotating bcn located on hospital roof 300' NE of ldg pad. Helipad H1 25' p-line 200' W of helipad. ACTIVATE NSTD perimeter and LDIN lgts H1—CTAF.

COMMUNICATIONS: CTAF/UNICOM 123.05

EDENTON N36°01.53' W76°33.99' NOTAM FILE EDE.

NDB (MHW) 265 EDE at Northeastern Rgnl. NDB unusable byd 15 NM.

WASHINGTON

L-35B

WAAS CH 49008 W05A	APP CRS 045°	Rwy Idg TDZE Apt Elev	5500 18 18
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RNAV (GPS) RWY 5

CURRITUCK COUNTY RGNL (ONX)

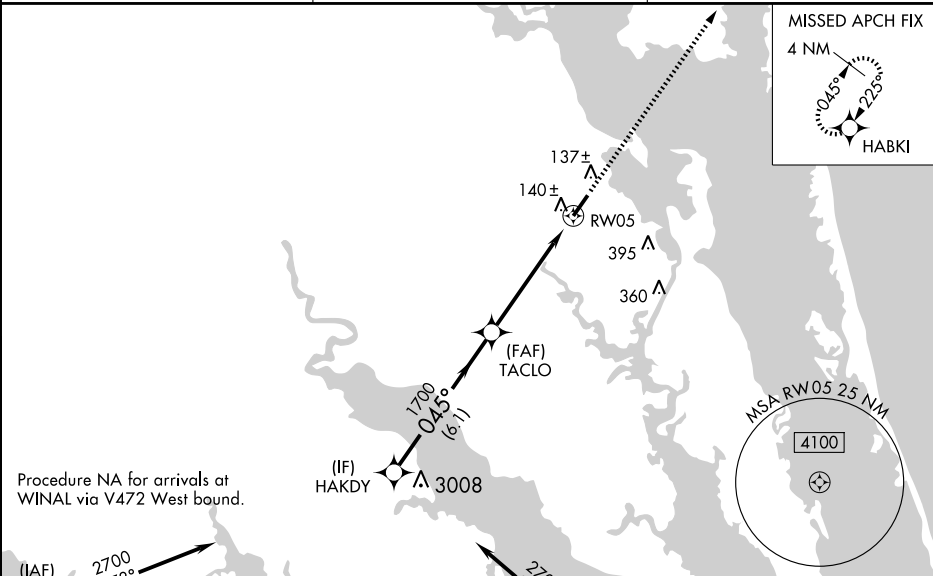
Baro-VNAV NA when using Oceana NAS/Apollo Soucek altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 49°C (120°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Procedure NA when tethered balloon located approximately 11.4 NM southwest of airport is flying. When local altimeter setting not received, use Oceana NAS/Apollo Soucek altimeter setting and increase all DA 59 feet, and all MDA 60 feet; increase LNAV Cat. C and D visibility ¼ mile.

MISSED APPROACH:
Climb to 2000 direct HAKBI and hold.

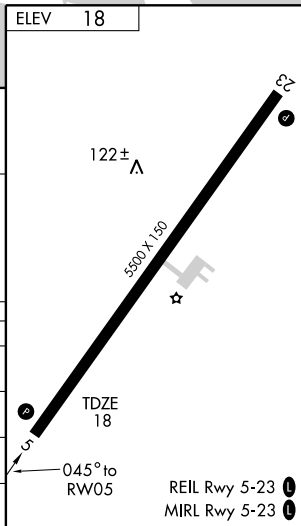
AWOS-3
119.775

OCEANA APP CON
123.9 266.8

CTAF
122.90



HAKDY				
2700				
Procedure Turn NA				
GS 3.00° TCH 45				
045°				
1700				
RW05				
6.1 NM				
5.1 NM				
CATEGORY	A	B	C	D
LPV DA	343-1¼ 325 (400-1¼)			
LNAV/VNAV DA	410-1½ 392 (400-1½)			
LNAV MDA	400-1 382 (400-1)			
CIRCLING	440-1 422 (500-1)	480-1 462 (500-1)	480-1½ 462 (500-1½)	580-2 562 (600-2)



WAAS CH 97408 W23A	APP CRS 225°	Rwy Idg TDZE Apt Elev	5500 18 18
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RNAV (GPS) RWY 23

CURRITUCK COUNTY RGNL (ONX)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 49°C (120°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Baro-VNAV NA when using Oceana NAS/Apollo Soucek altimeter setting. VDP NA when using Oceana NAS/Apollo Soucek altimeter setting. When local altimeter setting not received, use Oceana NAS/Apollo Soucek altimeter setting and increase all DA 59 feet and all MDA 60 feet; increase LPV visibility and LNAV/VNAV visibility ¼ mile and LNAV Cat. C and D visibility ½ mile.

MISSED APPROACH: Climb to 2000 direct EDORY and right turn via 301° track to SUNNS and hold.

AWOS-3
119.775

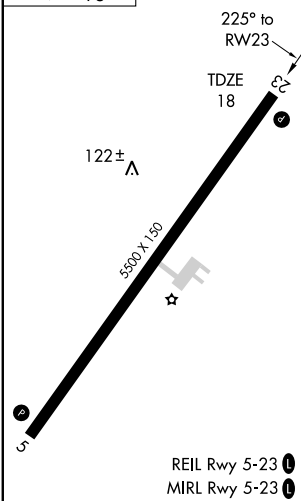
OCEANA APP CON
123.9 266.8

CTAF
122.9 ①

Procedure NA for arrivals at SUNNS via V266 northwest bound.

Procedure NA for arrivals at SUNNS via V139 southwest bound.

ELEV **18**



2000	EDORY	SUNNS	OTETY	HABKI	4 NM Holding Pattern
*LNAV only	*1.1 NM to RWY 23	301° trk	225°	045°	2000
1.1	4.9 NM	6.1 NM	GS 3.00°	TCH 41	
CATEGORY	A	B	C	D	
LPV DA	384-1¼	366 (400-1¼)			
LNAV/VNAV DA	424-1½	406 (500-1½)			
LNAV MDA	400-1	382 (400-1)		400-1¼	382 (400-1¼)
CIRCLING	440-1 422 (500-1)	480-1 462 (500-1)	480-1½ 462 (500-1½)	580-2 562 (600-2)	

REIL Rwy 5-23 ①
MIRL Rwy 5-23 ①

NORTHEASTERN RGNL (EDE) 3 SE UTC-5(-4DT) N36°01.66' W76°34.03'

WASHINGTON
H-9C, 12H, L-35C
IAP

RWY 01: REIL. PAPI(P2L)—GA 3.0° TCH 39'. Trees.

RWY 19: REIL. PAPI(P2L)—GA 3.0° TCH 41'. Trees.

AIRPORT REMARKS: Attended 1300-2200Z+. For after hrs svc call 252-217-4975. After hr self svc fuel for 100LL and JET A1+ avbl with credit card. Seasonal problem with birds and deer on and invof arpt. Twys serving Rwy 01-19 have green centerline reflectors. PAPI Rwy 01 and 19 ops continuously. ACTIVATE MIRL Rwy 01-19 and REIL Rwy 01 and Rwy 19—CTAF.

WEATHER DATA SOURCES: AWOS-3 121.125 (252) 482-0757.

COMMUNICATIONS: CTAF/UNICOM 123.0

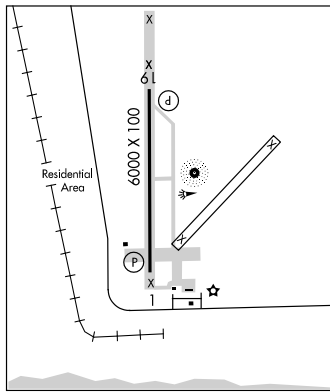
WASHINGTON CENTER APP/DEP CON 123.85

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

COFIELD (L) VORTAC 114.6 CVI Chan 93 N36°22.37'
W76°52.29' 153° 25.4 NM to fld. 70/09W.

EDENTON NDB (MHW) 265 EDE N36°01.53' W76°33.99' at
fld. NOTAM FILE EDE. NDB unusable byd 15 NM.

ILS/DME 110.95 **I-EDE** **Chan 46(Y)** **Rwy 19.**



LOC/DME I-DEE 110.95 Chan 46 (Y)	APP CRS 190°	Rwy Idg TDZE Apt Elev	6000 20 20
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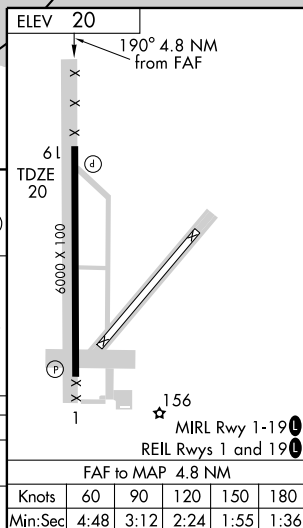
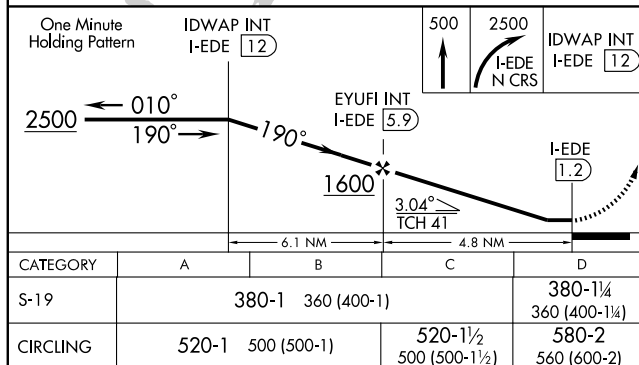
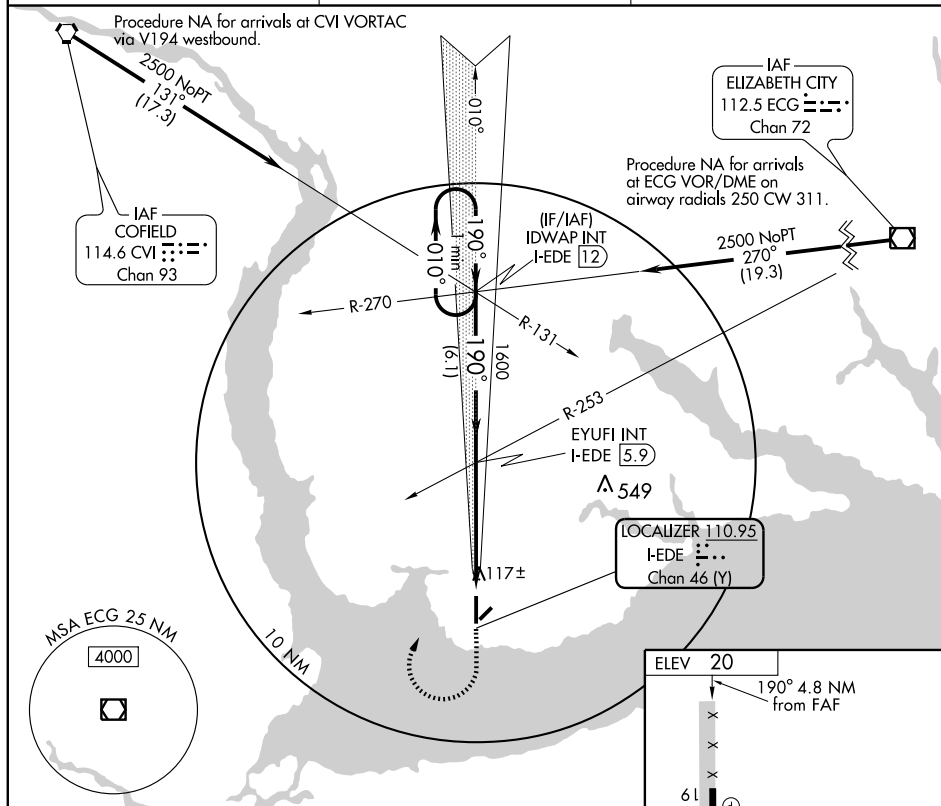
LOC RWY 19

EDENTON/NORTHEASTERN RGNL (EDE)

▼ If local altimeter setting not received, use Elizabeth City altimeter setting and increase all DAs/MDAs 60 feet. DME or RADAR required. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 500 then climbing right turn to 2500 via I-DEE north course to IDWAP and hold.

AWOS-3 121.125	WASHINGTON CENTER 123.85 323.0	UNICOM 123.0 (CTAF) 0
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EDENTON, NORTH CAROLINA

Orig 09211

EDENTON/NORTHEASTERN RGNL (EDE)

36°02'N - 76°34'W

LOC RWY 19

SE-2, 21 OCT 2010 to 18 NOV 2010

NDB EDE 265	APP CRS 182°	Rwy Idg TDZE Apt Elev	6000 20 20
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NDB RWY 19

EDENTON/NORTHEASTERN RGNL (EDE)



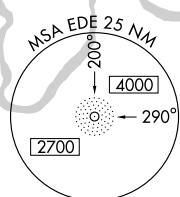
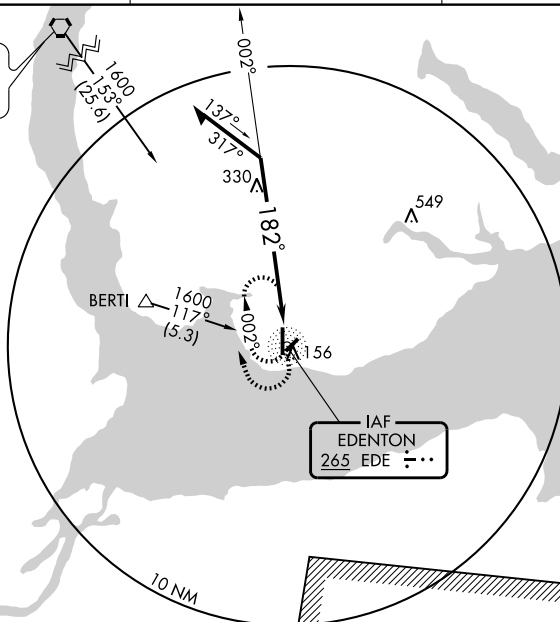
MISSED APPROACH: Climbing right turn
to 1600 in EDE NDB holding pattern.

AWOS-3
121.125

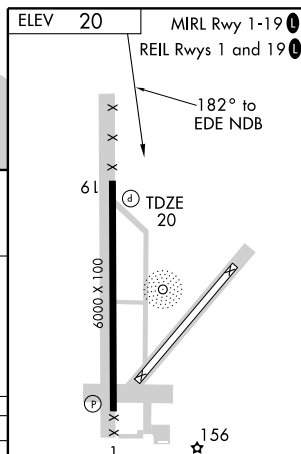
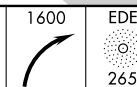
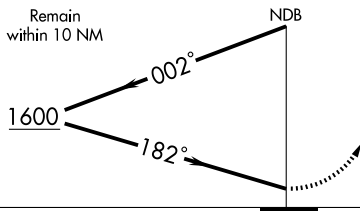
WASHINGTON CENTER
123.85 323.0

UNICOM
123.0 (CTAF) 0

COFIELD
114.6 CVI
Chan 93



Remain
within 10 NM



CATEGORY	A	B	C	D
S-19	680-1	660 (700-1)	680-1 ³ / ₄ 660 (700-1 ³ / ₄)	680-2 660 (700-2)
CIRCLING	680-1	660 (700-1)	680-1 ³ / ₄ 660 (700-1 ³ / ₄)	680-2 660 (700-2)

EDENTON, NORTH CAROLINA

Amdt 6 09211

EDENTON/NORTHEASTERN RGNL (EDE)

36°02'N - 76°34'W

NDB RWY 19

WAAS CH 90503 W19A	APP CRS 190°	Rwy Idg TDZE Apt Elev 6000 20 20
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RNAV (GPS) RWY 19

EDENTON/NORTHEASTERN RGNL (EDE)

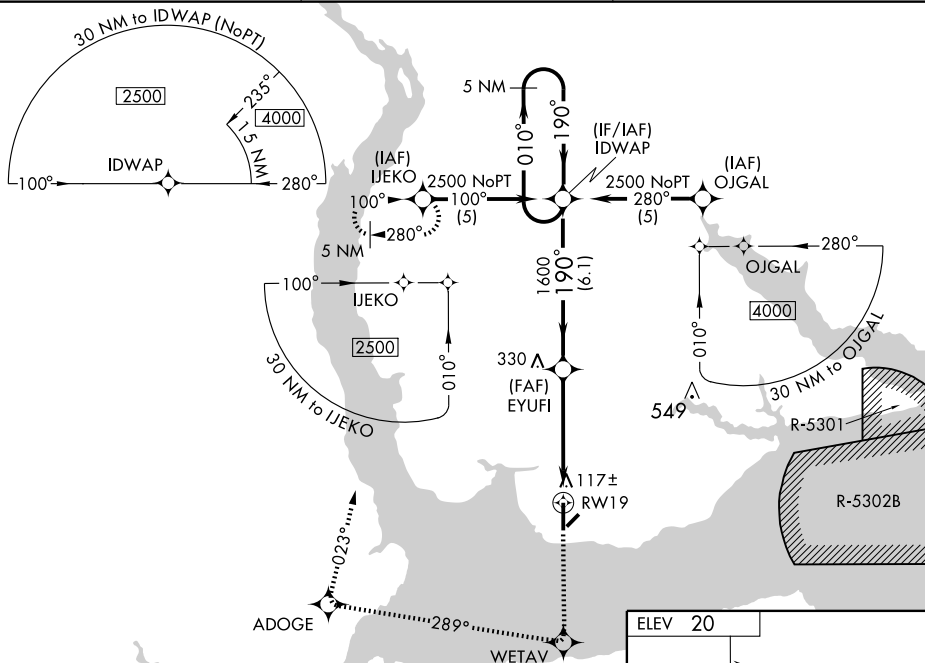
⚠ Baro-VNAV NA when using Elizabeth City altimeter setting. If local altimeter setting not received, use Elizabeth City altimeter setting and increase all DAs/MDAs 60 feet. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 2500 direct WETAV and right turn via 289° track to ADOGE and via 023° track to IJEKO and hold.

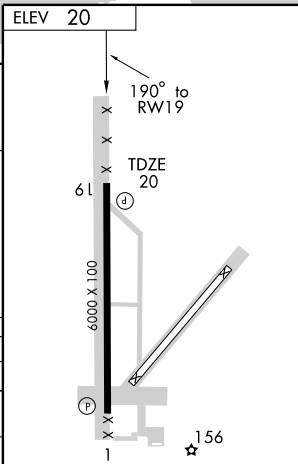
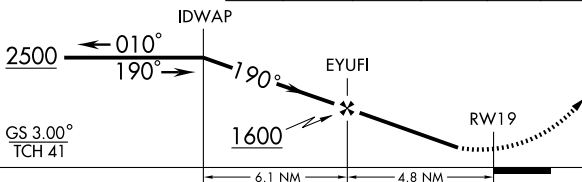
AWOS-3
121.125

WASHINGTON CENTER
123.85 323.0

UNICOM
123.0 (CTAF) 0



5 NM
Holding Pattern

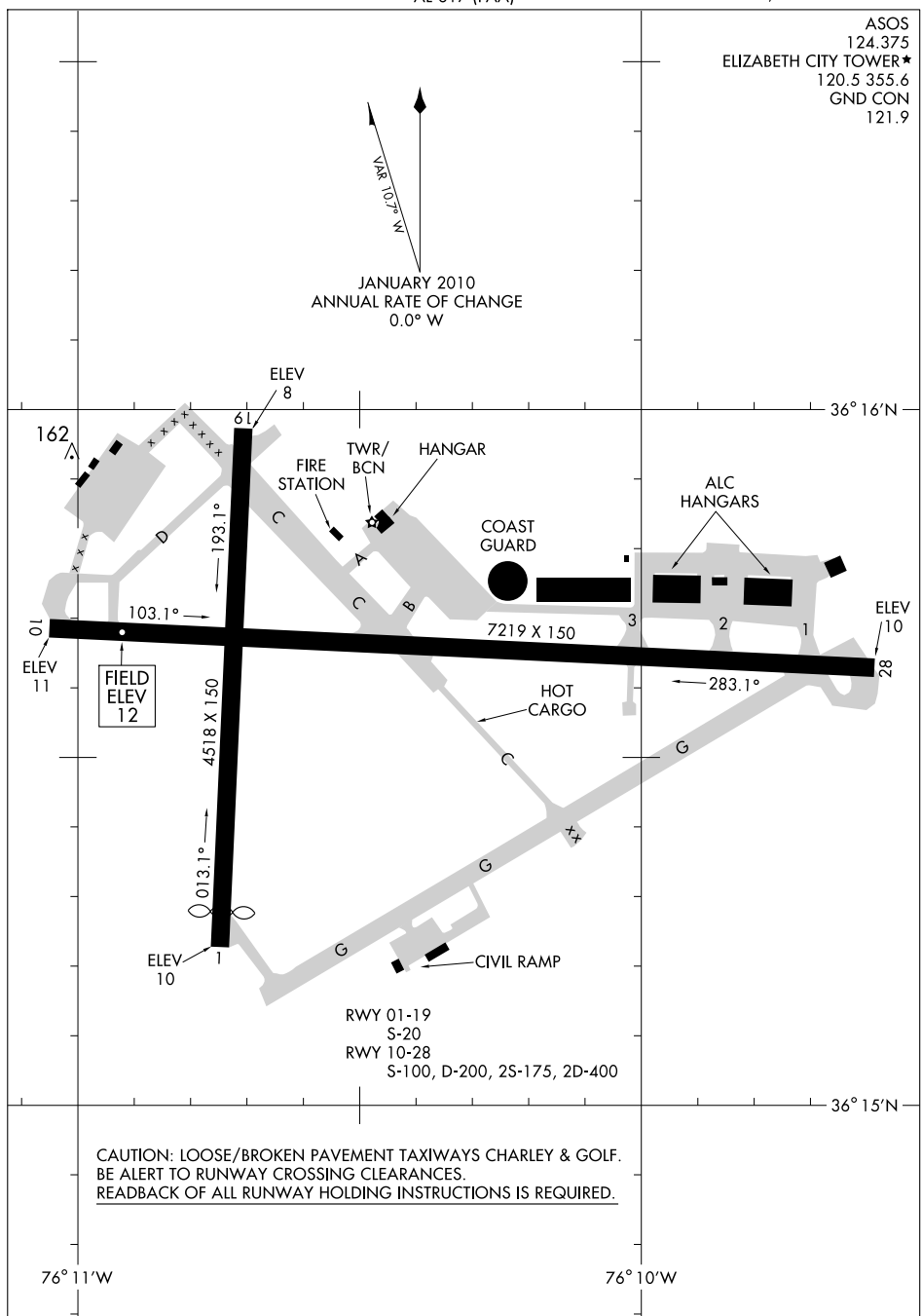


CATEGORY	A	B	C	D
LPV DA		362-1¼	342 (400-1¼)	
LNAV/VNAV DA		407-1½	387 (400-1½)	
LNAV MDA		380-1 360 (400-1)		380-1¼ 360 (400-1¼)
CIRCLING	520-1 500 (500-1)		520-1½ 500 (500-1½)	580-2 560 (600-2)

AIRPORT DIAGRAM

ELIZABETH CITY COAST GUARD AIR STATION/RGNL (ECG)
AL-617 (FAA) ELIZABETH CITY, NORTH CAROLINA

SE-2, 21 OCT 2010 to 18 NOV 2010



SE-2, 21 OCT 2010 to 18 NOV 2010

AIRPORT DIAGRAM

ELIZABETH CITY, NORTH CAROLINA
ELIZABETH CITY COAST GUARD AIR STATION/RGNL (ECG)

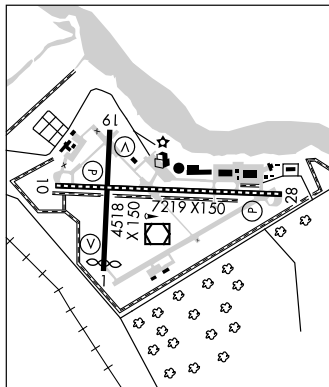
10210

ELIZABETH CITY CG AIR STATION/RGNL (ECG) 3 SE UTC-5(-4DT)WASHINGTON
H-9C, 121, L-35D
IAP, AD

N36°15.63' W76°10.47'

12 B S4 **FUEL** 100LL, JET A1+ TPA—See Remarks NOTAM FILE ECG**RWY 10-28:** H7219X150 (CONC) S-100, D-200, 2S-175, 2D-400
HIRL CL**RWY 10:** TDZL. REIL. PAPI(P2L)—GA 3.0° TCH 49'. Road. Rgt tfc.**RWY 28:** REIL. PAPI(P2L)—GA 3.0° TCH 51'. Tree.**RWY 01-19:** H4518X150 (ASPH-CONC) S-20 MIRL**RWY 01:** VASI(V4L)—GA 2.75° TCH 31'. Thld dspcd 299'.
Road. Rgt tfc.**RWY 19:** VASI(V4L)—GA 2.75° TCH 28'. Rgt tfc.

AIRPORT REMARKS: Attended Mon-Fri 1300-0200Z†, Sat-Sun 1300-2200Z†. Terminal CLOSED Christmas Day and New Years Day. Twr attended 1300-0200Z†. Civ ramp attended Mon-Fri 1300-0200Z†, Sat-Sun 1300-2200Z†. For civ attendant after hrs and holidays call 252-335-5634 during hrs attended. CG ramp attended 24 hrs, ctc 252-335-6333. CG Aviation Logistic Center ramp attended 1200-2000Z†. Twr and Civ ramp attended 1200-0300Z†. See FLIP AP/1 supplementary Arpt Info. Fuel 24 hr self svc with credit card. Heavy bird activity invof arpt. Intermittent tethered balloon ops 3 NM SE dalgst hrs at 3000 ft. Rwy 01-19 and Twy G west of the civil ramp CLOSED to all ops over 12,500 lbs. Vertical tkf and landing only for copters over 12,500 lbs. Rwy 01-19 loose gravel, pavement cracks, vegetation. Acft with tail heights to 50' parked on apron first 2000' from Rwy 28 right side 250' from rwy centerline. TPA-Fixed Wing 1512(1500), Rotary Wing 1012(1000). All DOD turbojet acft must obtain prior permission from air station ops prior to requesting arpt familiarization apchs. SP LHOX OIL: 0-133-156 Tran Alert-No tran maintenance, ltd svc, expect up to 4 hr delay for fuel. Tran air carrier must remain with acft to provide directions/assistance in servicing. All DOD turbojet acft full stop lds only, practice apchs and touch and go lds prohibited. PPR for parking and svcs on Coast Guard Ramp and Aviation Logistic Center (ALC) ramp. Coast Guard complex has numerous buildings within the building restriction lines. Compass rose for Coast Guard use only. Noise Abatement in effect: call afld management for details at 252-335-6333. Blimp opr and training site 3 NM southeast of fld—flight opr conducted in surrounding area. Seasonal low-flying agricultural acft based in the local area. No line-of-sight between rwy ends. Search and Rescue may rqr 24 hr twr staff 0200-1300Z†, trans intentions in the blind on 120.5. Facilities and connector twys north of Rwy 10-28 restricted to official CG business, PPR for entry. Twy pavement rough. All acft destined for CG Air Station ctc Elizabeth City air on 345.0, 10 min prior to ldg. All acft destined for CG ALC ctc Flt Ops 123.1. When twr is clsd centerline lgtg and VASI Rwy 10 and Rwy 28 opr continuously. ACTIVATE HIRL Rwy 10-28 and MIRL Rwy 01-19—CTAF.

**WEATHER DATA SOURCES:** ASOS 124.375 (252) 338-4750. HIWAS 112.5 ECG.**COMMUNICATIONS:** CTAF 120.5 UNICOM 122.95

RCO 122.2 122.05R 112.5T (RALEIGH RADIO)

R NORFOLK APP/DEP CON 119.55

TOWER 120.5 (1300-0200Z†) GND CON 121.9

AIRSPACE: CLASS D svc 1300-0200Z† other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE ECG.

(L) VOR/DME 112.5 ECG Chan 72 N36°15.46' W76°10.54' at fld. 10/07W. HIWAS.

WOODVILLE NDB (MHW) 254 LLW N36°15.78' W76°17.88' 101° 6 NM to fld.

ILS/DME 111.35 I-EPR Chan 50(Y) Rwy 10. Class IE.

COMM/NAV/WEATHER REMARKS: 24 hr search and rescue acft ops may rqr twr to be staffed 0300-1200Z†, transmit intentions in the blind on 120.5.

LOC/DME I-EPN **111.35**
Chan **50** (Y)

APP CRS **099°**

Rwy Idg **7219**
TDZE **11**
Apt Elev **12**

ILS or LOC RWY 10

ELIZABETH CITY COAST GUARD AIR STATION/RGNL (ECG)

▼ Procedure not authorized when tethered balloon located approximately 2 miles southeast of airport is flying. DME or RADAR REQUIRED.

▲ If local altimeter setting not received, use Currituck altimeter setting and increase all DAs to 238 feet; increase all MDAs 40 feet. VDP NA when using Currituck altimeter setting.

MISSED APPROACH: Climb to 500 then climbing left turn to 3000 via heading 281° and ECG WOR/DME R-311 to SUNNS INT/ ECG 19.5 DME and hold.

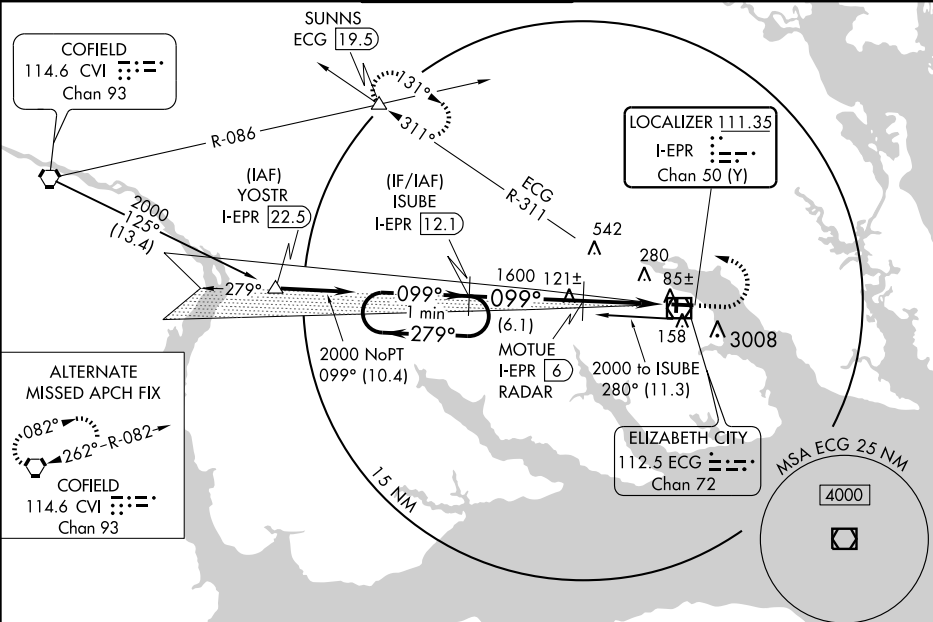
ASOS
124.375

NORFOLK APP CON
119.55 269.42

ELIZABETH CITY TOWER ★
120.5 (CTAF) 355.6

GND CON
121.9

UNICOM
122.95



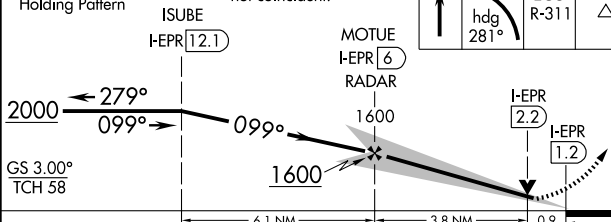
DME OR RADAR REQUIRED

One Minute
Holding Pattern

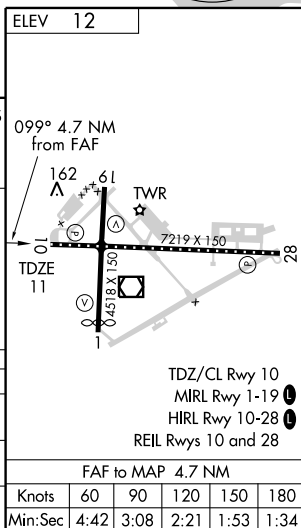
VGSI and ILS glidepath
not coincident.

500 3000
↑ hdg
281°

SUNNS



CATEGORY	A	B	C	D
S-ILS 10	211-3/4 200 (200-3/4)			
S-LOC 10	360-1 349 (400-1)			360-1 349 (400-1 1/4)
CIRCLING	480-1 468 (500-1)		480-1 1/2 468 (500-1 1/2)	640-2 628 (700-2)



NDB LLW 254	APP CRS 101°	Rwy Idg 7219
		TDZE 12
		Apt Elev 12

NDB RWY 10

ELIZABETH CITY COAST GUARD AIR STATION/RGNL (ECG)

▼ Procedure not authorized when tethered balloon located approximately 2 miles southeast of airport is flying.
 ▲ NA

MISSED APPROACH: Climb to 1600 then left turn direct LLW NDB and hold.

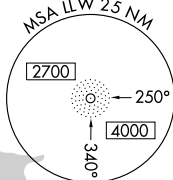
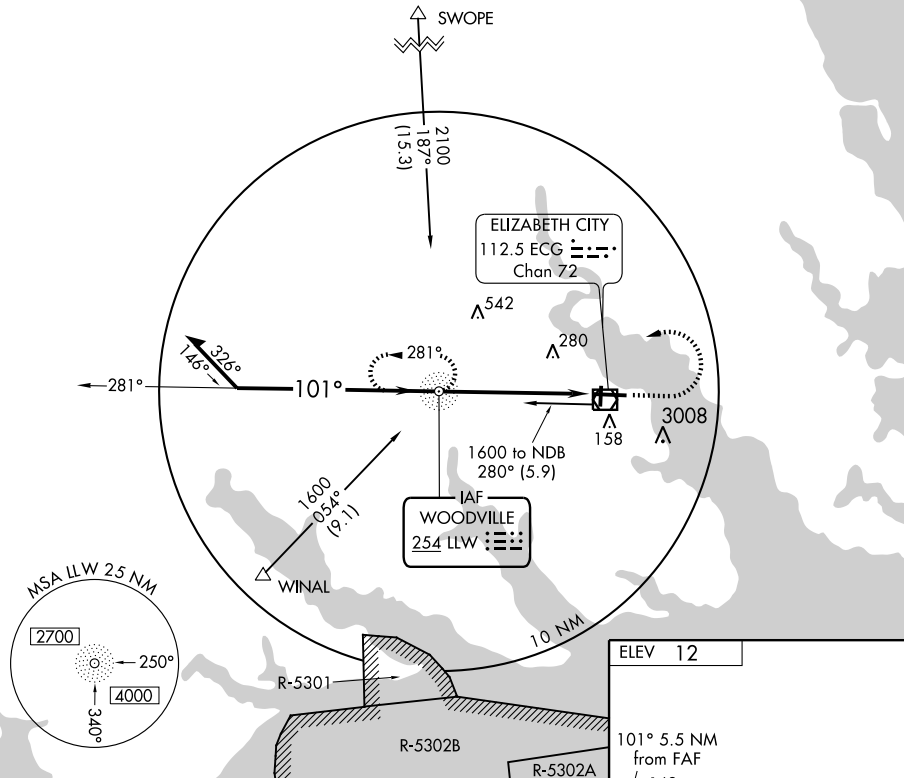
ASOS
124.375

NORFOLK APP CON
119.55 269.42

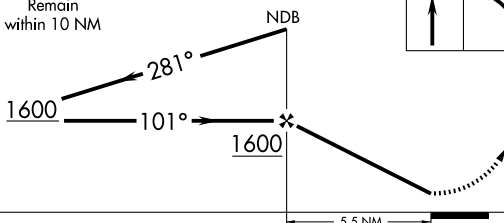
ELIZABETH CITY TOWER★
120.5 (CTAF) 355.6

GND CON
121.9

UNICOM
122.95

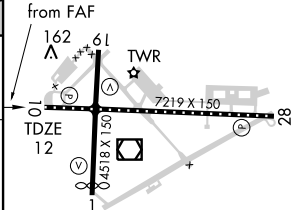


Remain within 10 NM



ELEV 12

101° 5.5 NM from FAF



TDZ/CL Rwy 10

MIRL Rwy 1-19

HIRL Rwy 10-28

REIL Rws 10 and 28

CATEGORY	A	B	C	D
S-10	640-1	628 (700-1)	640-1¾ 628 (700-1¾)	640-2 628 (700-2)
CIRCLING	640-1	628 (700-1)	640-1¾ 628 (700-1¾)	640-2 628 (700-2)

FAF to MAP 5.5 NM					
Knots	60	90	120	150	180
Min:Sec	5:30	3:40	2:45	2:12	1:50

APP CRS
354°

Rwy Idg **4220**
TDZE **12**
Apt Elev **12**

RNAV (GPS) RWY 1

ELIZABETH CITY COAST GUARD AIR STATION/RGNL (ECG)

GPS or RNP-0.3 required. DME/DME RNP-0.3 NA.
Procedure not authorized when tethered balloon located approximately 2 miles southeast of airport is flying.
ATC clearance required to penetrate R-5302B.

MISSED APPROACH: Climbing right turn to 2100 direct GEDLE WP and hold.

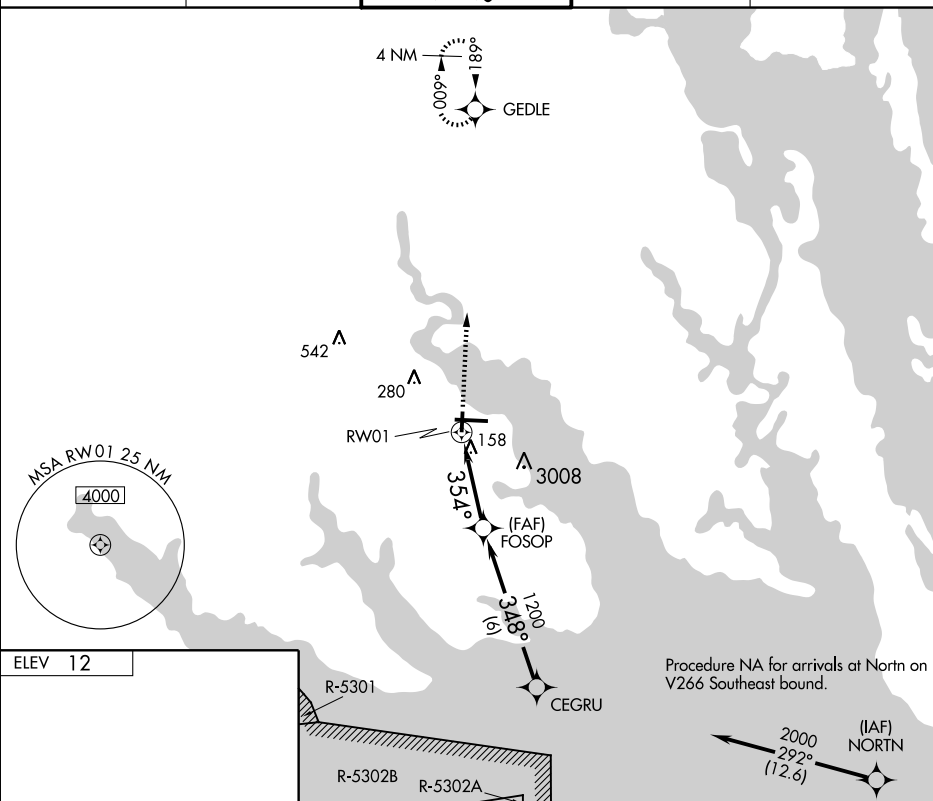
ASOS
124.375

NORFOLK APP CON
119.55 269.42

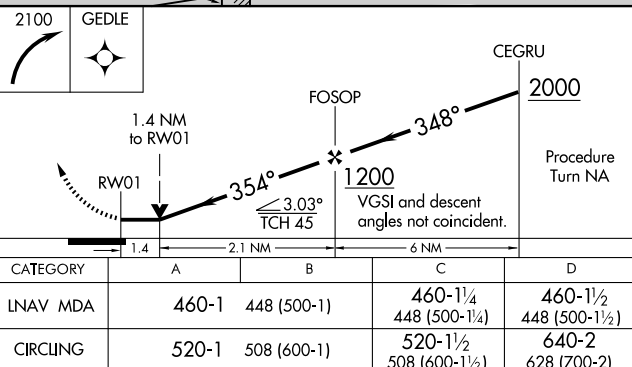
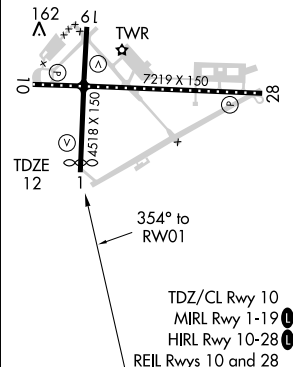
ELIZABETH CITY TOWER ★
120.5 (CTAF) 355.6

GND CON
121.9

UNICOM
122.95



ELEV **12**



APP CRS **189°**
 Rwy Idg **4518**
 TDZE **12**
 Apt Elev **12**

RNAV (GPS) RWY 19

ELIZABETH CITY COAST GUARD AIR STATION/RGNL (ECG)

▼ GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
 ▲ NA Procedure not authorized when tethered balloon located approximately 2 miles southeast of airport is flying.

MISSED APPROACH: Climb to 900 then climbing left turn to 2100 direct GEDLE WP and hold.

ASOS
124.375

NORFOLK APP CON
119.55 269.42

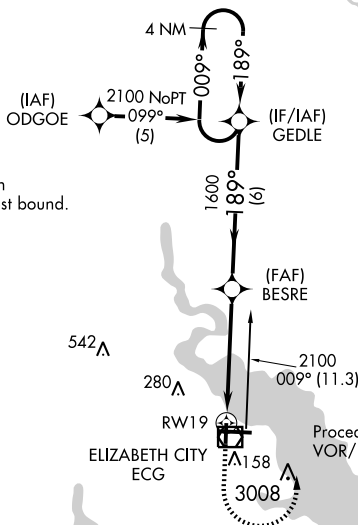
ELIZABETH CITY TOWER ★
120.5 (CTAF) 355.6

GND CON
121.9

UNICOM
122.95

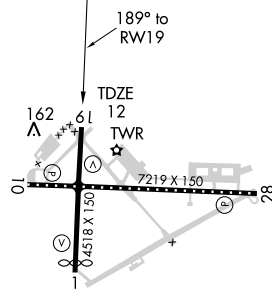
SUNNS 2100
 094°
 (11.4)

Procedure NA for arrivals at SUNNS on
 V139 Southwest bound, V266 Northwest bound.

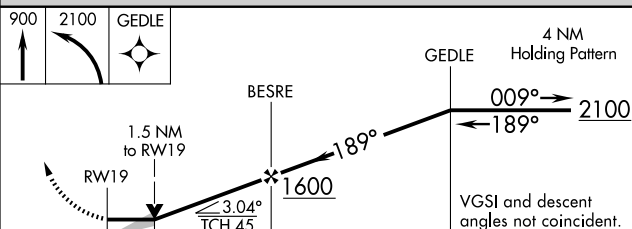


Procedure NA for arrivals at ECG
 VOR/DME on V266 Southeast bound.

ELEV **12**



TDZ/CL Rwy 10
 MRL Rwy 1-19
 HIRL Rwy 10-28
 REIL Rwy 10 and 28



CATEGORY	A	B	C	D
LNAV MDA	480-1	468 (500-1)	480-1¼ 468 (500-1¼)	480-1½ 468 (500-1½)
CIRCLING	520-1	508 (600-1)	520-1½ 508 (600-1½)	640-2 628 (700-2)

APP CRS 279°	Rwy Idg 7219 TDZE 11 Apt Elev 12
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RNAV (GPS) RWY 28

ELIZABETH CITY COAST GUARD AIR STATION/RGNL (ECG)

T
A NA GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
Procedure not authorized when tethered balloon located
approximately 2 miles southeast of airport is flying.

MISSED APPROACH: Climb to 800 then climbing right turn to 2000 direct NETUE WP and hold.

ASOS
124.375

NORFOLK APP CON
119.55 269.42

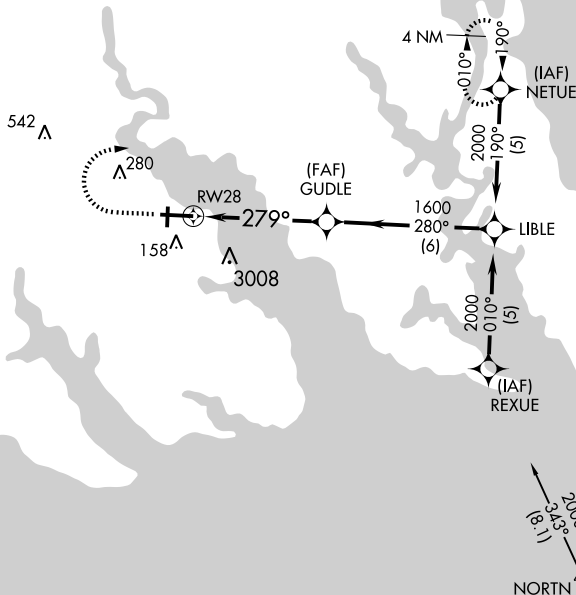
ELIZABETH CITY TOWER★
120.5 (CTAF) **L** 355.6

GND CON
121.9

UNICOM
122.95

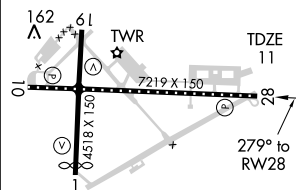
2000 to NETUE
SUNNS 109°
(28.5)

Procedure NA for arrivals at SUNNS
on V266 Northwest bound.

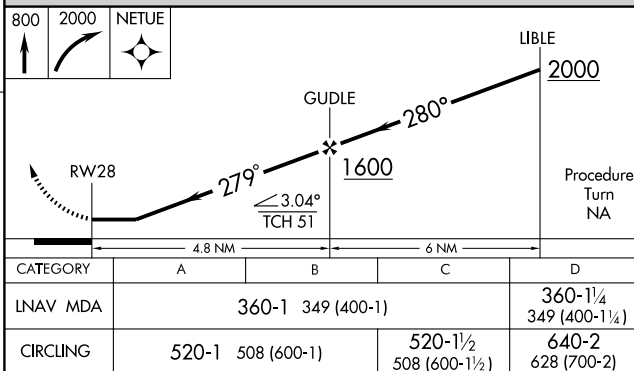


Procedure NA for arrivals at NORTN
on V266 Southeast bound.

ELEV	12
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TDZ/CL Rwy 10
MIRL Rwy 1-19 **L**
HIRL Rwy 10-28 **L**
REIL Rwy 10 and 28



ELIZABETH CITY, NORTH CAROLINA
Orig 10210

ELIZABETH CITY COAST GUARD AIR STATION/RGNL (ECG)

36°16'N-76°10'W

RNAV (GPS) RWY 28

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

VOR/DME ECG
112.5
Chan **72**

APP CRS
016°

Rwy ldg
TDZE
12

Apt Elev
12

VOR/DME RWY 1

ELIZABETH CITY COAST GUARD AIR STATION/RGNL (ECG)



Procedure not authorized when tethered balloon located approximately 2 miles southeast of airport is flying. Penetration of R-5301 is not authorized. ATC clearance required to penetrate R-5302B.

MISSED APPROACH: Climb to 1600 then right turn direct ECG VOR/DME and hold.

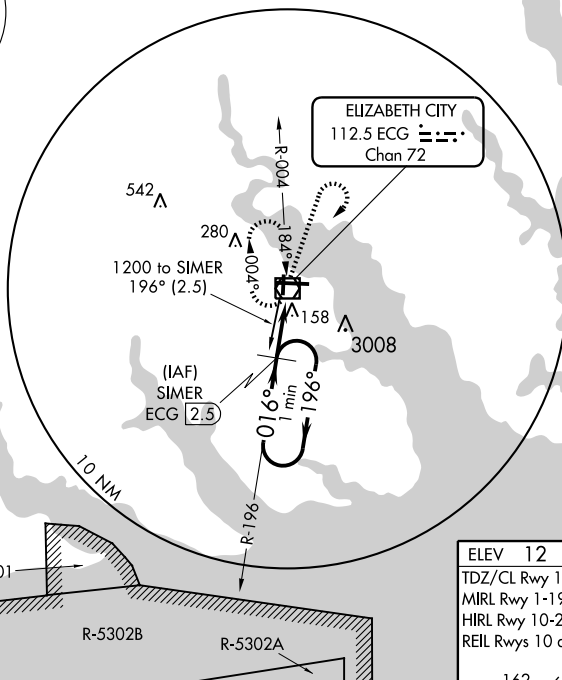
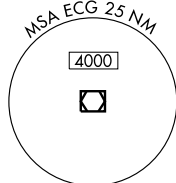
ASOS
124.375

NORFOLK APP CON
119.55 269.42

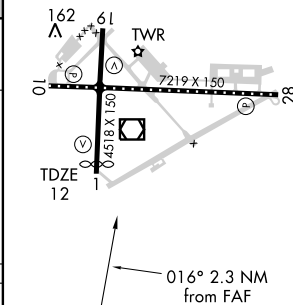
ELIZABETH CITY TOWER★
120.5 (CTAF) 355.6

GND CON
121.9

UNICOM
122.95

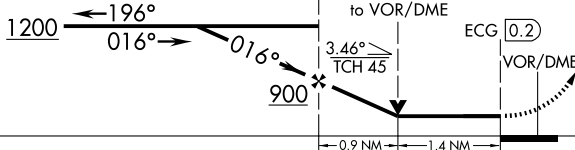


ELEV **12**
TDZ/CL Rwy 10
MIRL Rwy 1-19
HIRL Rwy 10-28
REIL Rws 10 and 28



One Minute
Holding Pattern

SIMER
ECG **2.5**



CATEGORY	A	B	C	D
S-1	460-1	448 (500-1)	460-1¼ 448 (500-1¼)	460-1½ 448 (500-1½)
CIRCUING	520-1	508 (600-1)	520-1½ 508 (600-1½)	640-2 628 (700-2)

VOR/DME ECG	APP CRS	Rwy Idg	7219
112.5	108°	TDZE	12
Chan 72		Apt Elev	12

VOR/DME RWY 10

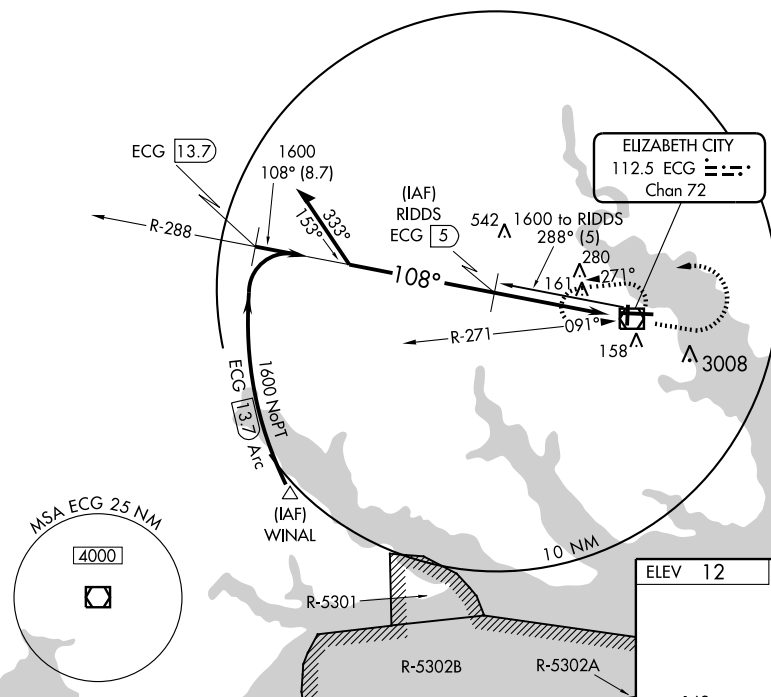
ELIZABETH CITY COAST GUARD AIR STATION/RGNL (ECG)



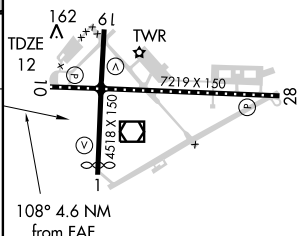
Procedure not authorized when tethered balloon located approximately 2 miles southeast of airport is flying.

MISSED APPROACH: Climb to 1600 then left turn direct ECG VOR/DME and hold.

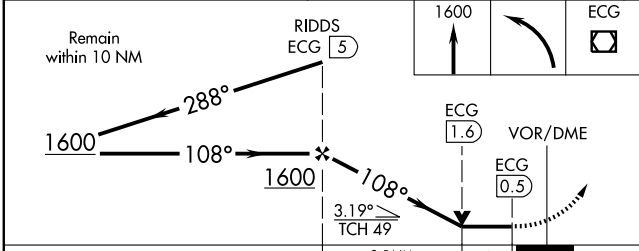
ASOS 124.375	NORFOLK APP CON 119.55 269.42	ELIZABETH CITY TOWER ★ 120.5 (CTAF) 355.6	GND CON 121.9	UNICOM 122.95
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ELEV 12



TDZ/CL Rwy 10
MIRL Rwy 1-19
HIRL Rwy 10-28
REIL Rwy 10 and 28



CATEGORY	A	B	C	D
S-10	420-1	408 (500-1)	420-1¼	408 (500-1¼)
CIRCLING	520-1	508 (600-1)	520-1½ 508 (600-1½)	640-2 628 (700-2)

VOR/DME ECG
112.5
 Chan **72**

APP CRS
184°

Rwy Idg **4518**
 TDZE **12**
 Apt Elev **12**

VOR/DME RWY 19

ELIZABETH CITY COAST GUARD AIR STATION/RGNL (ECG)



Procedure not authorized when tethered balloon located approximately 2 miles southeast of airport is flying.

MISSED APPROACH: Climb to 1600 then left turn direct ECG VOR/DME and hold.

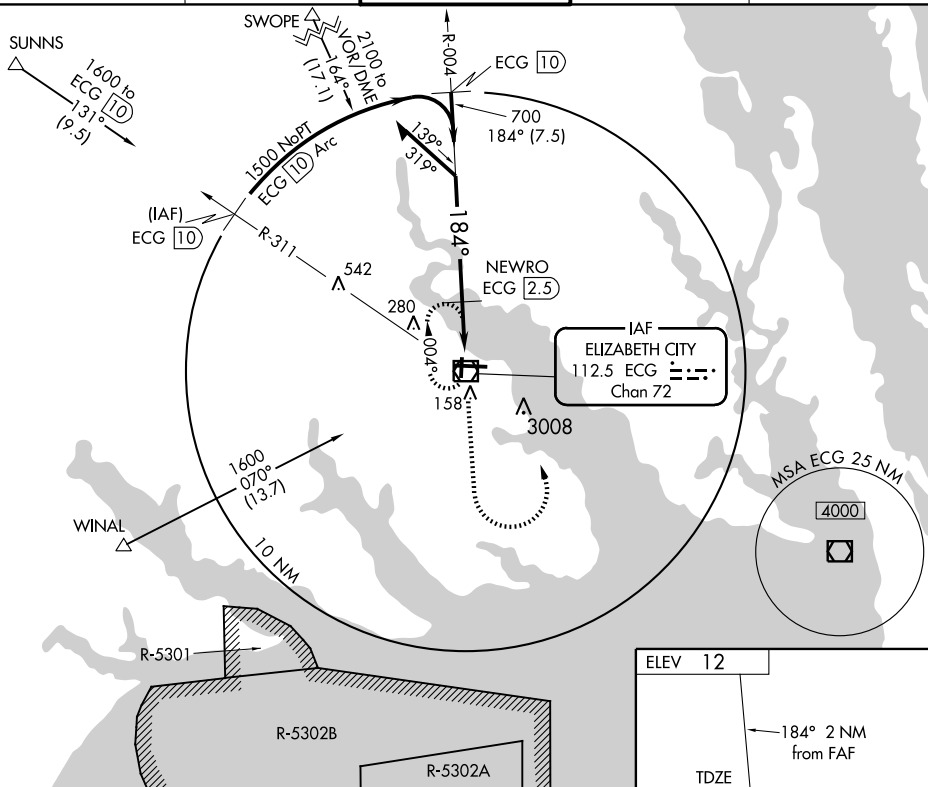
ASOS
124.375

NORFOLK APP CON
119.55 269.42

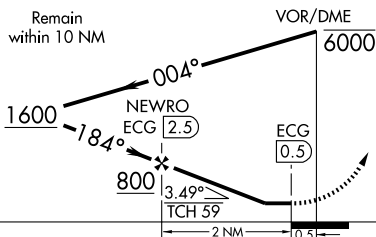
ELIZABETH CITY TOWER★
120.5(CTAF) 355.6

GND CON
121.9

UNICOM
122.95



Remain within 10 NM

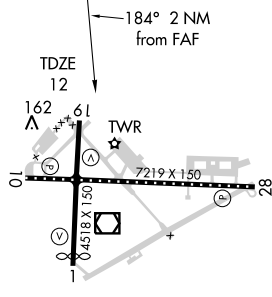


1600



ECG

ELEV 12



CATEGORY	A	B	C	D
S-19	480-1 468 (500-1)		480-1¼ 468 (500-¼)	480-1½ 468 (500-1½)
CIRCLING	520-1 508 (600-1)		520-1½ 508 (600-1½)	640-2 628 (700-2)

TDZ/CL Rwy 10
 MIRL Rwy 1-19
 HIRL Rwy 10-28
 REIL Rws 10 and 28

VOR/DME ECG
112.5
Chan **72**

APP CRS
270°

Rwy Idg	7219
TDZE	11
Apt Elev	12

VOR/DME RWY 28
ELIZABETH CITY COAST GUARD AIR STATION/RGNL (ECG)



Procedure not authorized when tethered balloon located approximately 2 miles southeast of airport is flying.

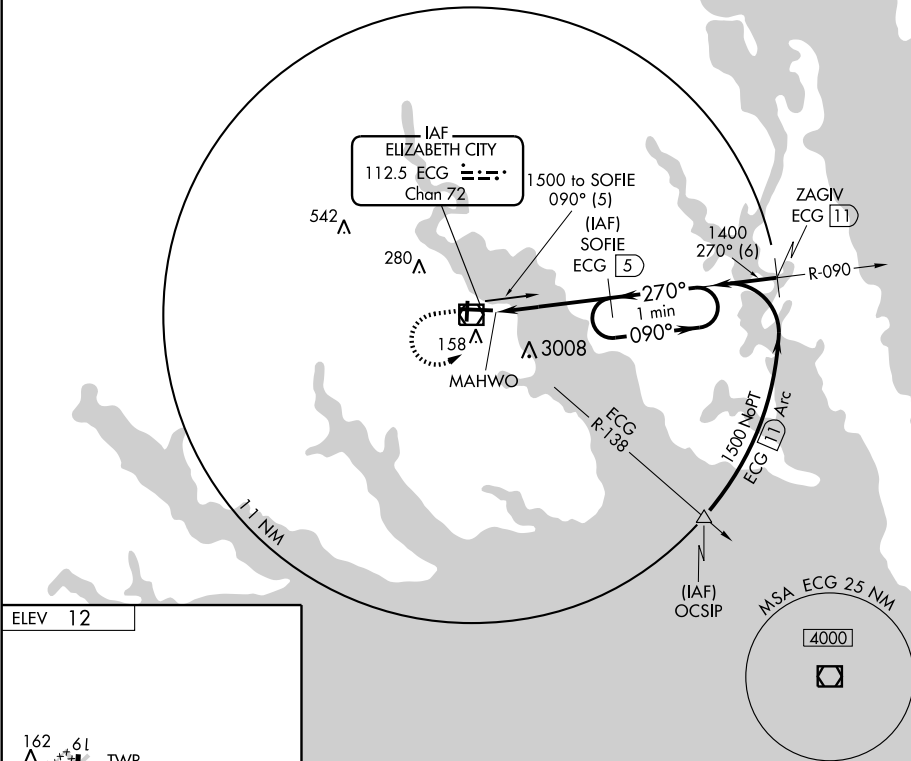
MISSED APPROACH: Climb to 1000 then climbing left turn to 1500 via ECG R-090 to SOFIE 5 DME and hold.

ASOS
124.375

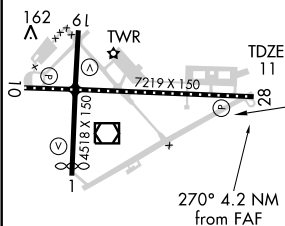
NORFOLK APP CON
119.55 269.42

ELIZABETH CITY TOWER ★
120.5(CTAF) L 355.6

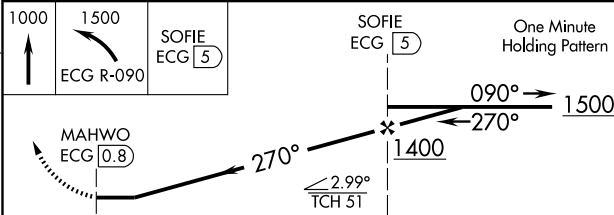
GND CON
121.9

UNICOM
122.95

ELEV 12



TDZ/CL Rwy 10
MIRL Rwy 1-19 **L**
HIRL Rwy 10-28 **L**
REIL Rwy 10 and 28



CATEGORY	A	B	C	D
S-28	360-1 349 (400-1)			360-1¼ 349 (400-1¼)
CIRCLING	520-1 508 (600-1)	520-1½ 508 (600-1½)	640-2 628 (700-2)	

ELIZABETH CITY, NORTH CAROLINA
Amdt 1 10210

ELIZABETH CITY COAST GUARD AIR STATION/RGNL (ECG)
36°16'N-76°10'W VOR/DME PWY 28

VOR/DME RWY 28

SE-2. 21 OCT 2010 to 18 NOV 2010

ELIZABETHTOWN**CURTIS L BROWN JR FIELD** (EYF) 2 SE UTC-5(-4DT) N34°36.11' W78°34.76'

CHARLOTTE

L-35A, 36F

IAP

132 B S2 FUEL 100LL, JET A1+ NOTAM FILE RDU

RWY 15-33: H4998X75 (ASPH) S-30, D-45 MIRL

RWY 15: PAPI(P2L)—GA 4.2° TCH 45'.

RWY 33: REIL. PAPI(P2L)—GA 3.0° TCH 33'.

AIRPORT REMARKS: Attended Mon-Sat 1300-2330Z†, Sun 1330-2330Z†. For svc after hrs and emergencies call 910-862-8928. Fuel avbl 24 hrs with credit card. Deer on and invof arpt. Birds on and invof arpt spring and fall. Low level military activity invof arpt. Arpt bcn is obscured by trees to the east. ACTIVATE MIRL Rwy 15-33; PAPI Rwy 15 and Rwy 33 and REIL Rwy 33—CTAF.

WEATHER DATA SOURCES: AWOS-3 119.475 (910) 862-9982.**COMMUNICATIONS:** CTAF/UNICOM 122.8

FAYETTEVILLE APP/DEP CON 133.0

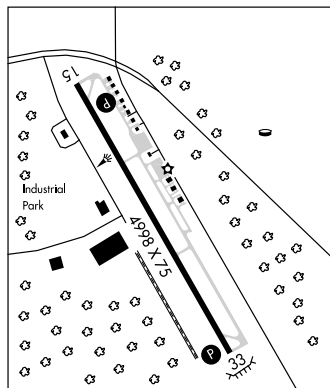
RADIO AIDS TO NAVIGATION: NOTAM FILE FAY.

FAYETTEVILLE (L) VOR/DME 108.8 FAY Chan 25 N34°59.13'

W78°52.50' 151° 27.2 to fld. 179/04W.

ELIZABETHTOWN NDB (MHW) 398 TQZ N34°31.73'

W78°30.96' 332° 5.4 NM to fld. NOTAM FILE RDU.

**ELIZABETHTOWN** N34°31.73' W78°30.96' NOTAM FILE RDU.

CHARLOTTE

L-35A

NDB (MHW) 398 TQZ 332° 5.4 NM to Curtis L Brown Jr Fld.

ELKIN MUNI (ZEF) 3 NE UTC-5(-4DT) N36°16.80' W80°47.16'

CINCINNATI

L-25D

IAP

1068 B S2 FUEL 100LL, JET A1+ TPA-2068(1000) NOTAM FILE RDU

RWY 07-25: H4003X75 (ASPH) S-25 MIRL 0.7% up W

RWY 07: VASI(V2L)—GA 3.5° TCH 19'. Tree.

RWY 25: REIL. VASI(V2L)—GA 4.5° TCH 66'. Tree.

AIRPORT REMARKS: Attended 1400-2200Z†. For svc after hrs call 336-874-7171, 336-874-2931, 336-366-7994 or 336-926-6243. Fuel 24 hr self svc with credit card. Trees and steep terrain within 75' of rwy. Deer on and invof arpt. Rwy 25 has an uphill grade. Rwy 07 and Rwy 25 VASI opr continuously. Rwy 25 VASI unusable bdy 5° left and right of centerline due to trees. ACTIVATE MIRL Rwy 07-25 and REIL Rwy 25—CTAF.

COMMUNICATIONS: CTAF/UNICOM 123.05

Ⓡ ATLANTA CENTER APP/DEP CON 125.15

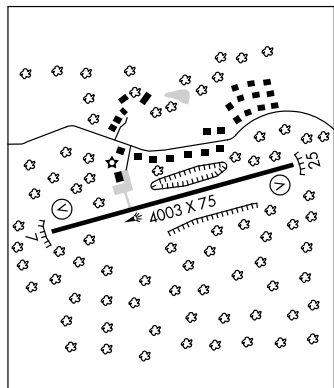
RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

BARRETTS MOUNTAIN (L) VOR/DME 110.8 BZM Chan 45

N35°52.13' W81°14.43' 048° 33.1 NM to fld. 1880/06W.

ZEPHYR NDB (MHW) 326 ZEF N36°18.79' W80°43.40' 242°

3.6 NM to fld.

**ELLAS** N34°45.03' W77°42.27' NOTAM FILE OAJ.

CHARLOTTE

NDB (LOM) 261 OA 052° 6.6 NM to Albert J. Ellis. Unmonitored.

ENGELHARD**HYDE CO** (7W6) 6 N UTC-5(-4DT) N35°33.74' W75°57.31'

CHARLOTTE

L-35C

8 B NOTAM FILE RDU

RWY 11-29: H4700X100 (ASPH-GRVD) S-30, D-43 MIRL

RWY 11: PAPI(P2L)—GA 3.0° TCH 34'. Rgt tfc.

RWY 29: PAPI(P2L)—GA 3.0° TCH 34'. Trees.

AIRPORT REMARKS: Unattended. R5313 5 miles E of arpt and R5314 5 miles N of arpt have heavy concentrations of military acft within 1000' AGL and in excess of 500 knots, acft maneuvering for ldg and after tkf should remain over land E of airport. Deer and birds on and invof arpt. ACTIVATE MIRL Rwy 11-29—CTAF. PAPI Rwy 11 and Rwy 29 on continuously.

COMMUNICATIONS: CTAF/UNICOM 122.7**RADIO AIDS TO NAVIGATION:** NOTAM FILE ISO.

KINSTON (L) VORTAC 109.6 ISO Chan 33 N35°22.26' W77°33.50' 086° 79.0 NM to fld. 106/05W.

NDB TQG	APP CRS	Rwy Idg	4998
<u>398</u>	332°	TDZE	123
		Apt Elev	133

NDB RWY 33

ELIZABETHTOWN/CURTIS L BROWN JR FIELD(EYF)

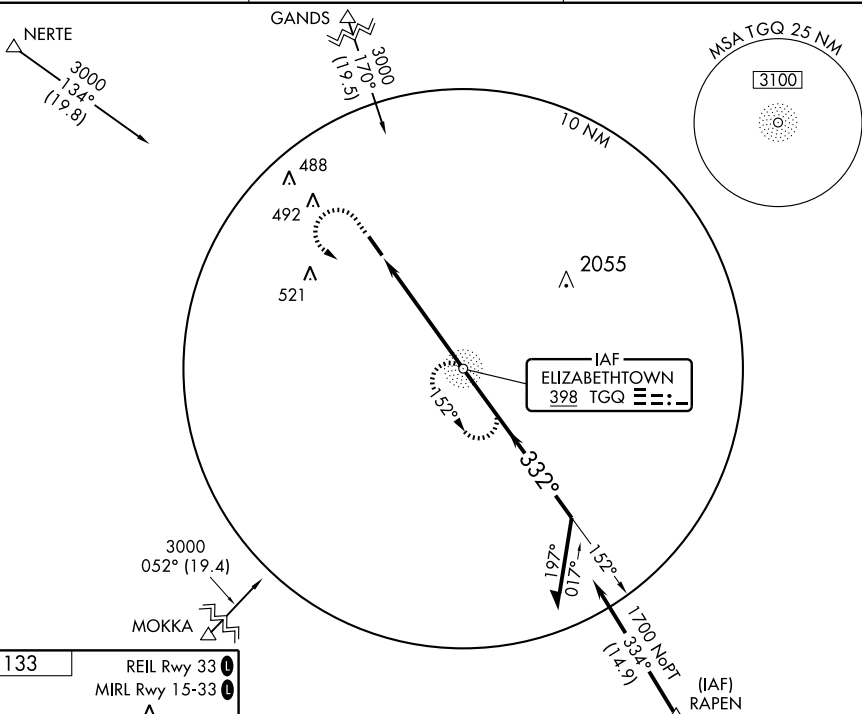
T	Obtain local altimeter setting on CTAF; when not received,
NA	use Fayetteville altimeter setting. Descent angle/gradient not authorized with Fayetteville altimeter setting.

MISSED APPROACH: Climb to 1000 then climbing left turn to 2600 direct TGQ NDB and hold.

AWOS-3
119.475

FAYETTEVILLE APP CON
133.0 295.0

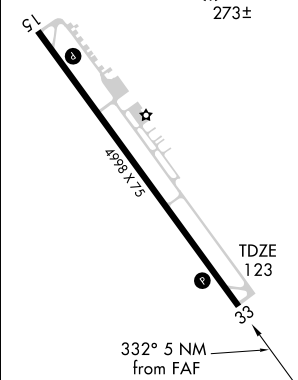
UNICOM
122.8 (CTAF) **L**



ELEV	133
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REIL Rwy 33 **L**
MIRL Rwy 15-33 **L**

△



from FAF
to MAP 5 NM

Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

Diagram illustrating a flight path for a 1000-foot climb. The path starts at a 1000-foot altitude, turns to a 2600-foot altitude, and then turns to a 1700-foot altitude. The climb is performed at a 2.92° angle (TCH 35°). The path is labeled with 'NDB' and 'Remain within 10 NM'. The diagram also shows a 5 NM distance and a 1700-foot altitude.

ELIZABETHTOWN, NORTH CAROLINA

Amdt 1 10154

ELIZABETHTOWN/CURTIS L BROWN JR FIELD (EYF)

34°36'N-78°35'W

NDB RWY 33

SE-2. 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

WAAS CH 82419 W15A	APP CRS 152°	Rwy Idg TDZE Apt Elev	4998 132 132
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RNAV (GPS) RWY 15

ELIZABETHTOWN/ CURTIS L BROWN JR FIELD (EYF)

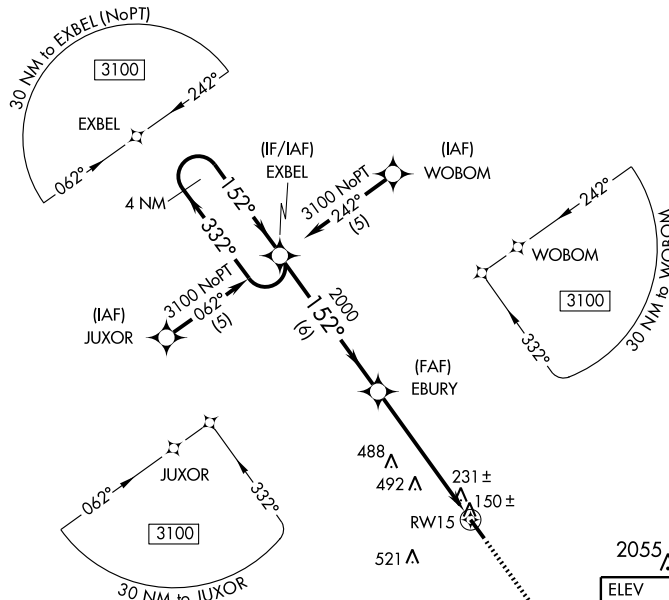
▼ DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Fayetteville, NC altimeter setting and increase all DA 72 feet and LPV and LNAV/VNAV all Cats visibility ¼ mile; increase all MDA 80 feet and increase LNAV visibility Cats C and D ¼ mile and increase Circling visibility Cat C ¼ mile and Cat D ½ mile. Baro-VNAV and VDP NA when using Fayetteville, NC altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F).

MISSED APPROACH: Climb to 3100 direct ESURE and hold, continue climb-in-hold to 3100.

AWOS-3
119.475

FAYETTEVILLE APP CON
133.0 295.0

UNICOM
122.8 (CTAF) ①

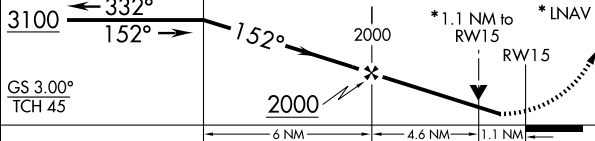
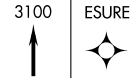


MISSED APCH FIX



4 NM
Holding Pattern

VGSI and RNAV glidepath
not coincident.



CATEGORY	A	B	C	D
LPV DA		382-1	250 (300-1)	
LNAV/VNAV DA		529-1½	397 (400-1½)	
LNAV MDA	660-1	528 (600-1)	660-1½ 528 (600-1½)	660-1¾ 528 (600-1¾)
CIRCLING	660-1	528 (600-1)	660-1½ 528 (600-1½)	800-2 668 (700-2)

REIL Rwy 33 ①
MIRL Rwy 15-33 ①

WAAS CH 70519 W33A	APP CRS 332°	Rwy Idg TDZE Apt Elev	4998 131 132
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RNAV (GPS) RWY 33

ELIZABETHTOWN/ CURTIS L BROWN JR FIELD (EYF)

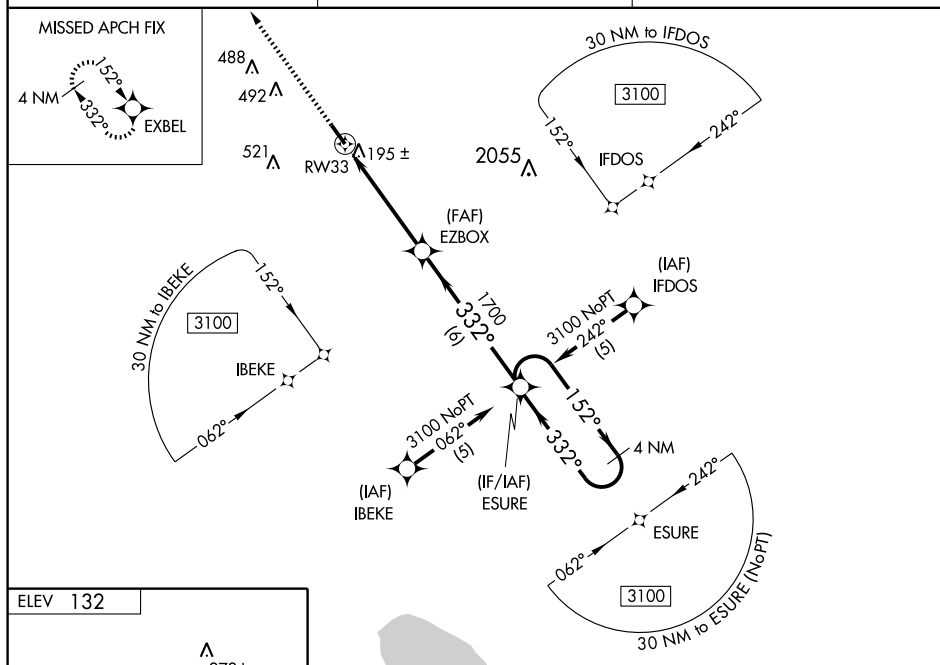
⚠ DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Fayetteville, NC altimeter setting and increase all DA 72 feet and LPV visibility all Cats and LNAV/VNAV all Cats visibility ¼ mile; increase all MDA 80 feet and increase LNAV visibility Cats C and D ¼ mile and Circling visibility Cat D ½ mile. Baro-VNAV and VDP NA when using Fayetteville, NC altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F).

MISSED APPROACH: Climb to 3100 direct EXBEL and hold.

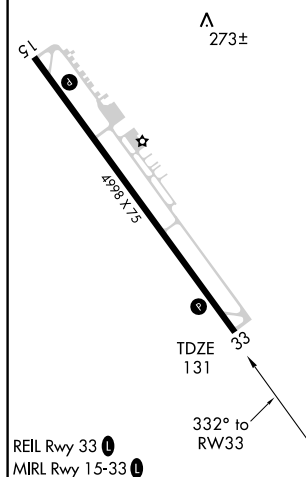
AWOS-3
119.475

FAYETTEVILLE APP CON
133.0 295.0

UNICOM
122.8 (CTAF)



ELEV 132



3100	EXBEL	VGSI and RNAV glidepath not coincident.		4 NM Holding Pattern
* LNAV only	* 1.3 NM to RW33	EZBOX 1700	332°	3100
RW33	1.3 NM	3.4 NM	6 NM	GS 3.00° TCH 51
CATEGORY	A	B	C	D
LPV DA	331-¾	200 (200-¾)		
LNAV/VNAV DA	465-1¼	334 (400-1¼)		
LNAV MDA	580-1	449 (500-1)	580-1¼ 449 (500-1¼)	580-1½ 449 (500-1½)
CIRCLING	580-1 448 (500-1)	600-1 468 (500-1)	600-1½ 468 (500-1½)	800-2 668 (700-2)

ELIZABETHTOWN, NORTH CAROLINA
Orig 23SEP10

ELIZABETHTOWN/ CURTIS L BROWN JR FIELD (EYF)
34°36'N-78°35'W

RNAV (GPS) RWY 33

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

VOR/DME **FAY**
108.8
 Chan **25**

APP CRS
152°

Rwy Idg
 TDZE **132**
 Apt Elev **132**

VOR/DME RWY 15

ELIZABETHTOWN / CURTIS L BROWN JR FIELD (EYF)

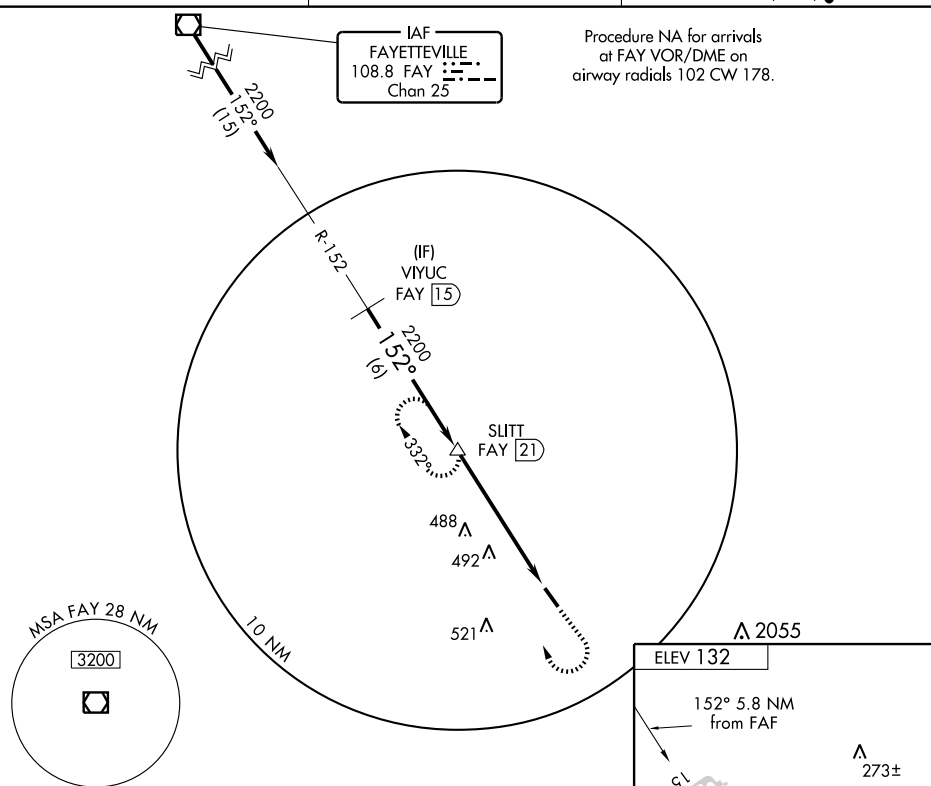
▼ Visibility reduction by helicopters NA. When local altimeter setting not received, use Fayetteville altimeter setting and increase all MDA 80 feet and increase S-15 visibility Cats C and D ¼ mile and increase Circling visibility Cat C ¼ mile and Cat D ½ mile.

MISSED APPROACH: Climb to 1000 then climbing right turn to 2200 on **FAY R-152** to **SLITT/21** DME and hold.

AWOS-3
119.475

FAYETTEVILLE APP CON
133.0 295.0

UNICOM
122.8 (CTAF) **0**



Procedure
 Turn
 NA

VIYUC
FAY **15**

SLITT
FAY **21**

1000

2200

SLITT

2200

2200

VGSI and descent
 angles not coincident.

3.28°
 TCH 43

FAY
26.8

6 NM

5.8 NM

CATEGORY	A	B	C	D
S-15	760-1 628 (700-1)	760-1¼ 628 (700-1¼)	760-1¾ 628 (700-1¾)	760-2 628 (700-2)
CIRCLING	760-1 628 (700-1)	760-1¼ 628 (700-1¼)	760-1¾ 628 (700-1¾)	800-2 668 (700-2)

REIL Rwy 33 **0**
 MRL Rwy 15-33 **0**

ELIZABETHTOWN**CURTIS L BROWN JR FIELD** (EYF) 2 SE UTC-5(-4DT) N34°36.11' W78°34.76'

CHARLOTTE

L-35A, 36F

IAP

132 B S2 FUEL 100LL, JET A1+ NOTAM FILE RDU

RWY 15-33: H4998X75 (ASPH) S-30, D-45 MIRL

RWY 15: PAPI(P2L)—GA 4.2° TCH 45'.

RWY 33: REIL. PAPI(P2L)—GA 3.0° TCH 33'.

AIRPORT REMARKS: Attended Mon-Sat 1300-2330Z†, Sun 1330-2330Z†. For svc after hrs and emergencies call 910-862-8928. Fuel avbl 24 hrs with credit card. Deer on and invof arpt. Birds on and invof arpt spring and fall. Low level military activity invof arpt. Arpt bcn is obscured by trees to the east. ACTIVATE MIRL Rwy 15-33; PAPI Rwy 15 and Rwy 33 and REIL Rwy 33—CTAF.

WEATHER DATA SOURCES: AWOS-3 119.475 (910) 862-9982.**COMMUNICATIONS:** CTAF/UNICOM 122.8

FAYETTEVILLE APP/DEP CON 133.0

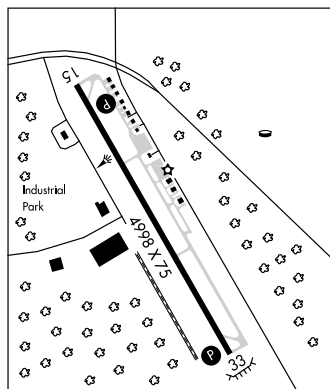
RADIO AIDS TO NAVIGATION: NOTAM FILE FAY.

FAYETTEVILLE (L) VOR/DME 108.8 FAY Chan 25 N34°59.13'

W78°52.50' 151° 27.2 to fld. 179/04W.

ELIZABETHTOWN NDB (MHW) 398 TQZ N34°31.73'

W78°30.96' 332° 5.4 NM to fld. NOTAM FILE RDU.

**ELIZABETHTOWN** N34°31.73' W78°30.96' NOTAM FILE RDU.

CHARLOTTE

L-35A

NDB (MHW) 398 TQZ 332° 5.4 NM to Curtis L Brown Jr Fld.

ELKIN MUNI (ZEF) 3 NE UTC-5(-4DT) N36°16.80' W80°47.16'

CINCINNATI

L-25D

IAP

1068 B S2 FUEL 100LL, JET A1+ TPA-2068(1000) NOTAM FILE RDU

RWY 07-25: H4003X75 (ASPH) S-25 MIRL 0.7% up W

RWY 07: VASI(V2L)—GA 3.5° TCH 19'. Tree.

RWY 25: REIL. VASI(V2L)—GA 4.5° TCH 66'. Tree.

AIRPORT REMARKS: Attended 1400-2200Z†. For svc after hrs call 336-874-7171, 336-874-2931, 336-366-7994 or 336-926-6243. Fuel 24 hr self svc with credit card. Trees and steep terrain within 75' of rwy. Deer on and invof arpt. Rwy 25 has an uphill grade. Rwy 07 and Rwy 25 VASI opr continuously. Rwy 25 VASI unusable byd 5° left and right of centerline due to trees. ACTIVATE MIRL Rwy 07-25 and REIL Rwy 25—CTAF.

COMMUNICATIONS: CTAF/UNICOM 123.05

Ⓡ ATLANTA CENTER APP/DEP CON 125.15

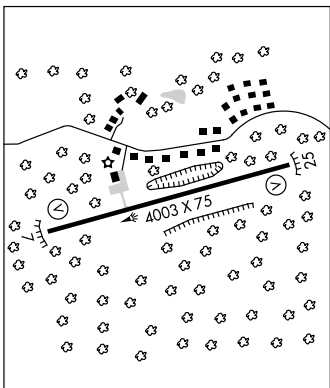
RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

BARRETTS MOUNTAIN (L) VOR/DME 110.8 BZM Chan 45

N35°52.13' W81°14.43' 048° 33.1 NM to fld. 1880/06W.

ZEPHYR NDB (MHW) 326 ZEF N36°18.79' W80°43.40' 242°

3.6 NM to fld.

**ELLAS** N34°45.03' W77°42.27' NOTAM FILE OAJ.

CHARLOTTE

NDB (LOM) 261 OA 052° 6.6 NM to Albert J. Ellis. Unmonitored.

ENGELHARD**HYDE CO** (7W6) 6 N UTC-5(-4DT) N35°33.74' W75°57.31'

CHARLOTTE

L-35C

8 B NOTAM FILE RDU

RWY 11-29: H4700X100 (ASPH-GRVD) S-30, D-43 MIRL

RWY 11: PAPI(P2L)—GA 3.0° TCH 34'. Rgt tfc.

RWY 29: PAPI(P2L)—GA 3.0° TCH 34'. Trees.

AIRPORT REMARKS: Unattended. R5313 5 miles E of arpt and R5314 5 miles N of arpt have heavy concentrations of military acft within 1000' AGL and in excess of 500 knots, acft maneuvering for ldg and after tkf should remain over land E of airport. Deer and birds on and invof arpt. ACTIVATE MIRL Rwy 11-29—CTAF. PAPI Rwy 11 and Rwy 29 on continuously.

COMMUNICATIONS: CTAF/UNICOM 122.7**RADIO AIDS TO NAVIGATION:** NOTAM FILE ISO.

KINSTON (L) VORTAC 109.6 ISO Chan 33 N35°22.26' W77°33.50' 086° 79.0 NM to fld. 106/05W.

NDB or GPS RWY 25

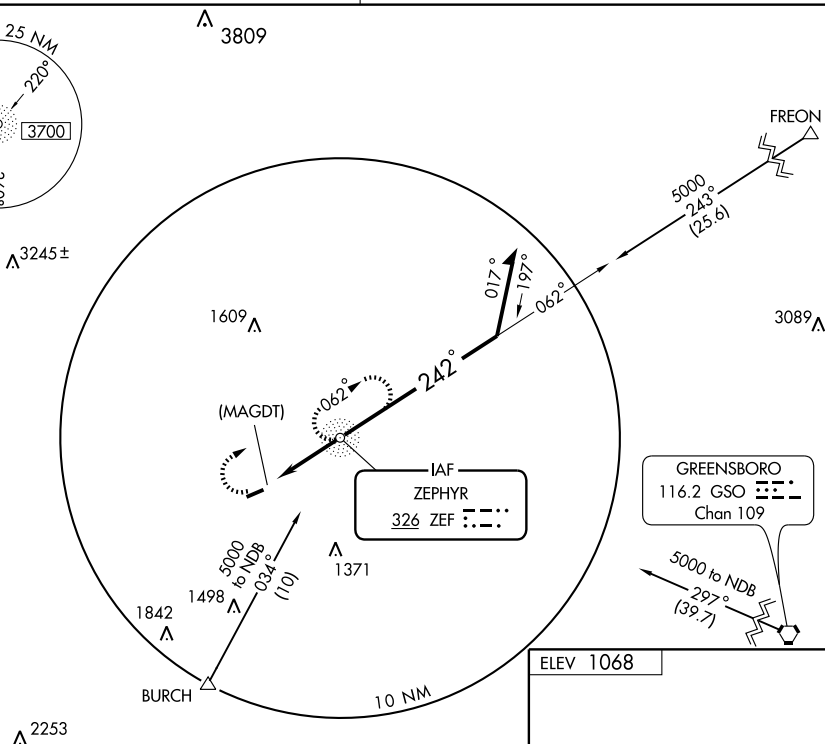
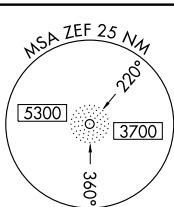
ELKIN MUNI (ZEF)

NDB ZEF 326	APP CRS 242°	Rwy Idg TDZE Apt Elev	4003 1065 1068
-----------------------	------------------------	-----------------------------	---

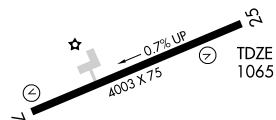
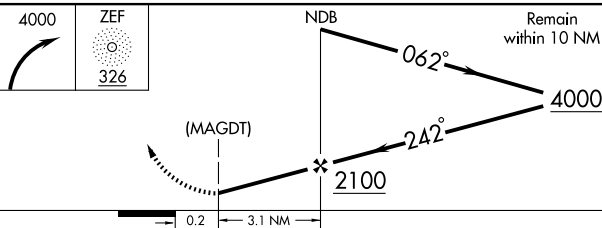


Use Winston-Salem, NC altimeter setting.

MISSED APPROACH: Climbing right turn to 4000 direct to ZEF NDB and hold.

ATLANTA CENTER
125.15 263.0UNICOM
123.05 (CTAF)

ELEV 1068



CATEGORY	A	B	C	D
S-25	1700-1 635 (700-1)		1700-1¾ 635 (700-1¾)	1700-2 635 (700-2)
CIRCLING	1700-1 632 (700-1)		1700-1¾ 632 (700-1¾)	1700-2 652 (700-2)

MIRL Rwy 7-25

REIL Rwy 25

FAF to MAP 3.1 NM					
Knots	60	90	120	150	180
Min:Sec	3:06	2:04	1:33	1:14	1:02

ERWIN

HARNETT RGNL JETPORT (HRJ) 4 NW UTC-5(-4DT) N35°22.81' W78°43.93'

202 B S4 **FUEL** 100LL, JET A1+ NOTAM FILE HRJ

RWY 05-23: H5000X75 (ASPH) S-13 MIRL 0.3% up NE

RWY 05: REIL. PAPI(P2L)—GA 3.0° TCH 35'.

RWY 23: REIL. PAPI(P2L)—GA 3.0° TCH 35'. Trees.

AIRPORT REMARKS: Attended Mon-Fri 1300-2300Z±, Sat-Sun 1400-2200Z±. For svc after hrs see telephone number posted on FBO door. Fuel self svc with credit card. Birds on and invof arpt. Glider activity dalgt hrs; gliders only may use rgt tfc. Gliders use grass area adjacent Rwy 05-23 for ldg. Ultralight airport 2 NM S.E. Heavy amounts ultralight to 1000' MSL mainly weekends extending into Harnett Rgnl Jetport tfc pattern. Rwy 05, 60' drop off 350' from thld and Rwy 23, 15' drop off 70' left of centerline. Arpt located 18 NM NE of Pope AFB; Heavy amounts of military tfc as low as 500' AGL overhead Harnett Rgnl Jetport. Rotating bcn obscured by trees N and W of arpt. **ACTIVATE MIRL** Rwy 05-23 and REIL Rwy 05 and Rwy 23—CTAF. PAPI Rwy 05 and Rwy 23 opr continuously. REIL Rwy 05 OTS indef. REIL Rwy 23 OTS indef.

WEATHER DATA SOURCES: AWOS-3 119.025 (910) 814-3946.

COMMUNICATIONS: CTAF/UNICOM 122.7

Ⓡ **FAYETTEVILLE APP/DEP CON** 125.175

GCO 135.075 (FAYETTEVILLE CLNC and FLIGHT SERVICES)

RADIO AIDS TO NAVIGATION: NOTAM FILE FAY.

FAYETTEVILLE (L) VOR/DME 108.8 FAY Chan 25 N34°59.13' W78°52.50' 021° 24.7 NM to fld. 179/04W.

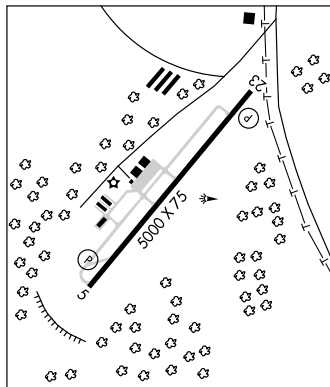
NDB(MHW) 417 HQT N35°25.99' W78°40.50' 230° 4.2 NM to fld. NOTAM FILE HRJ.

LOC/DME 108.35 I-HRJ Chan 20(Y) Rwy 05.

CHARLOTTE

H-9C, 12H, L-35B, 36F

IAP



FARMVILLE

FLANAGAN FLD (NØ8) 3 SE UTC-5(-4DT) N35°33.40' W77°33.63'

75 NOTAM FILE RDU

RWY 03-21: 2500X100 (TURF)

RWY 03: Trees.

RWY 21: Thld dsplcd 300'. Trees.

AIRPORT REMARKS: Unattended. Glider ops invof arpt. Aerial crop spraying invof of arpt. Livestock and wildlife invof arpt. +4' fence/brush along hwy northeast end Rwy 21. Rwy 21 no dsplcd thld markings. Rwy 03-21 marked with yellow cones.

COMMUNICATIONS: CTAF 122.9

CHARLOTTE

LOC/DME I-HRJ 108.35 Chan 20 (Y)	APP CRS 048°	Rwy Idg 5000 TDZE 195 Apt Elev 202
--	------------------------	---

LOC/DME RWY 5
ERWIN/ HARNETT RGNL JETPORT (HRJ)

⚠ Visibility reduction by helicopters NA. When local altimeter setting not received, use Smithfield altimeter setting and increase all MDA 60 feet.

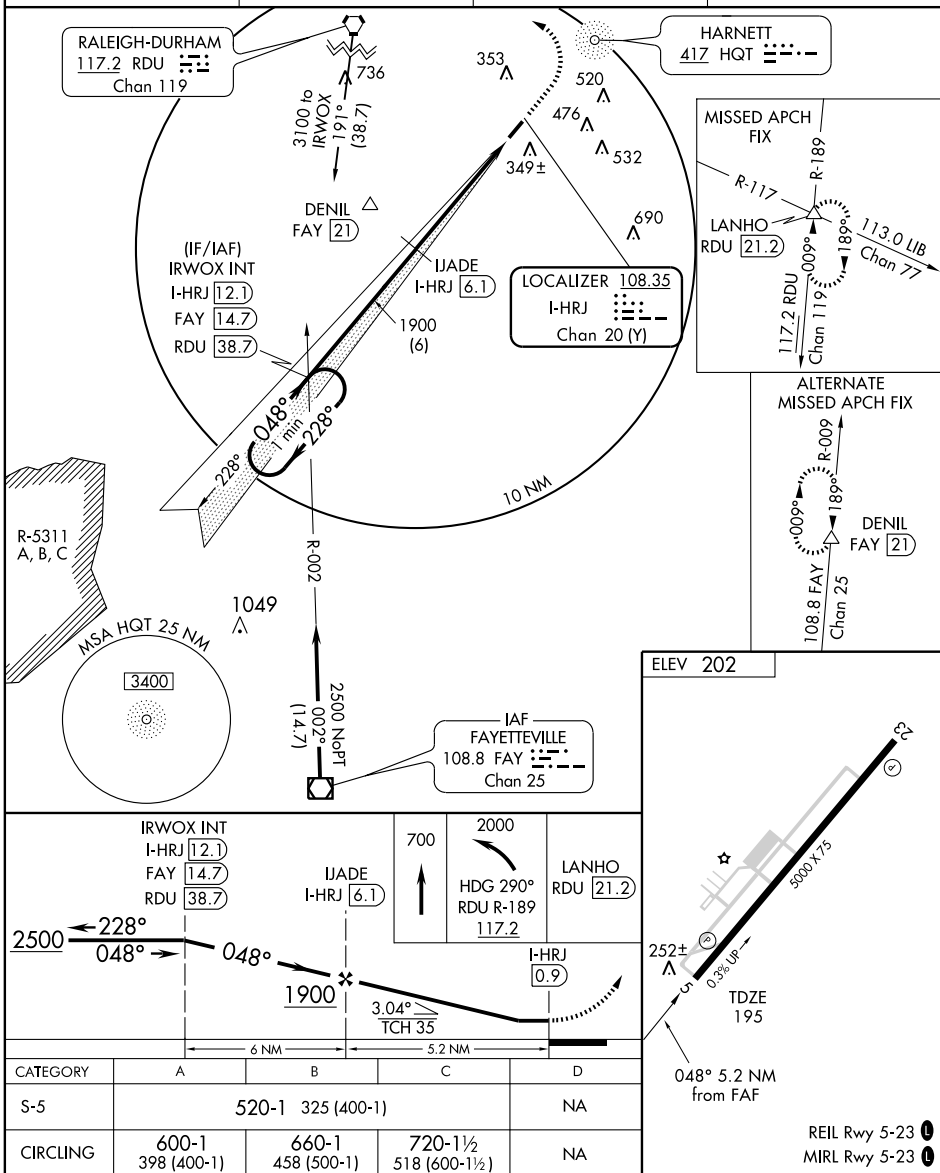
MISSED APPROACH: Climb to 700 then climbing left turn to 2000 via heading 290° and RDU R-189 to LANHO INT/RDU 21.2 DME and hold.

AWOS-3
119.025

FAYETTEVILLE APP CON
125.175 397.85

GCO
135.075

UNICOM
122.7 (CTAF) ①



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

NDB HQT	APP CRS	Rwy Idg	5000
417	230°	TDZE	202
		Apt Elev	202

NDB RWY 23

ERWIN/ HARNETT RGNL JETPORT (HRJ)

▽ When local altimeter setting not received, use Smithfield altimeter setting and increase all MDAs 60 feet, and S-23 CAT C visibility $\frac{1}{4}$ mile.
△ NA Visibility reduction by helicopters NA.

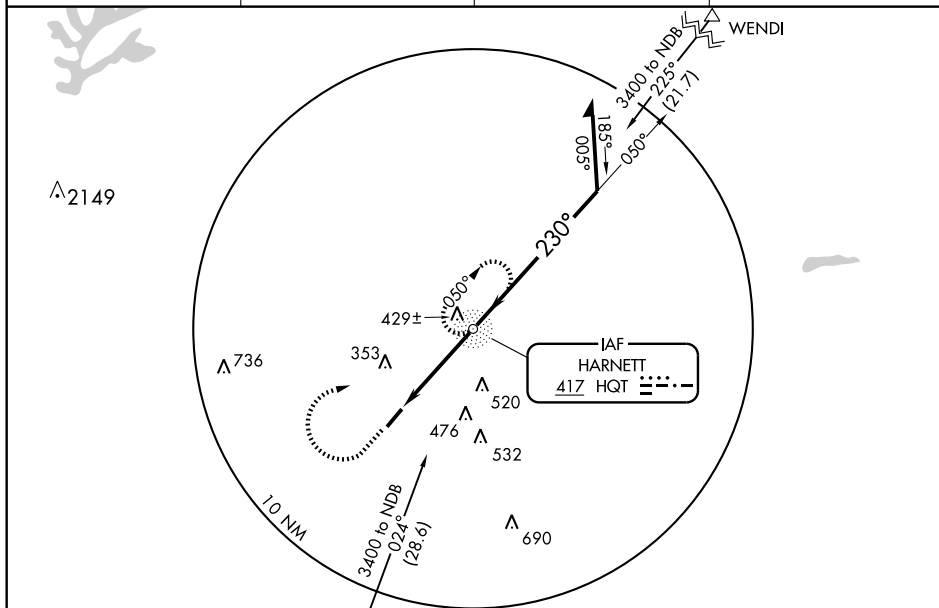
MISSED APPROACH: Climb to 1200 then climbing right turn to 3400 direct HQT NDB and hold.

AWOS-3
119.025

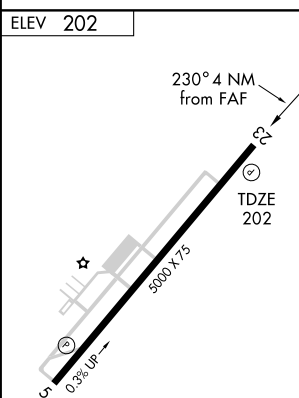
FAYETTEVILLE APP CON
125.175 397.85

GCO
135.075

UNICOM
122.7 (CTAF) 0

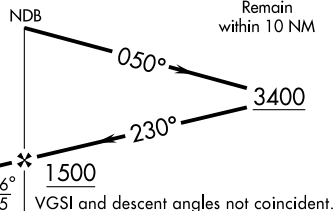
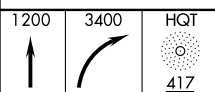
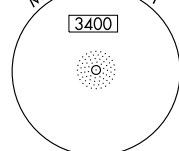


ELEV 202



FAYETTEVILLE
108.8 FAY
Chan 25

MSA HQT 25 NM



VGSI and descent angles not coincident.

FAF to MAP 3.8 NM					
Knots	60	90	120	150	180
Min:Sec	3:48	2:32	1:54	1:31	1:16

CATEGORY	A	B	C	D
S-23	660-1	458 (500-1)	660-1 $\frac{1}{4}$ 458 (500-1 $\frac{1}{4}$)	NA
CIRCLING	660-1	458 (500-1)	720-1 $\frac{1}{2}$ 518 (600-1 $\frac{1}{2}$)	NA

WAAS CH 66004 W05A	APP CRS 048°	Rwy Idg TDZE 195 Apt Elev 202	5000 195 202
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RNAV (GPS) RWY 5

ERWIN/ HARNETT RGNL JETPORT (HRJ)

When local altimeter setting not received, use Smithfield altimeter setting and increase all DA/MDA 60 feet, increase LPV visibilities ¼ mile, and LNAV Cat. C visibility ¼ mile. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

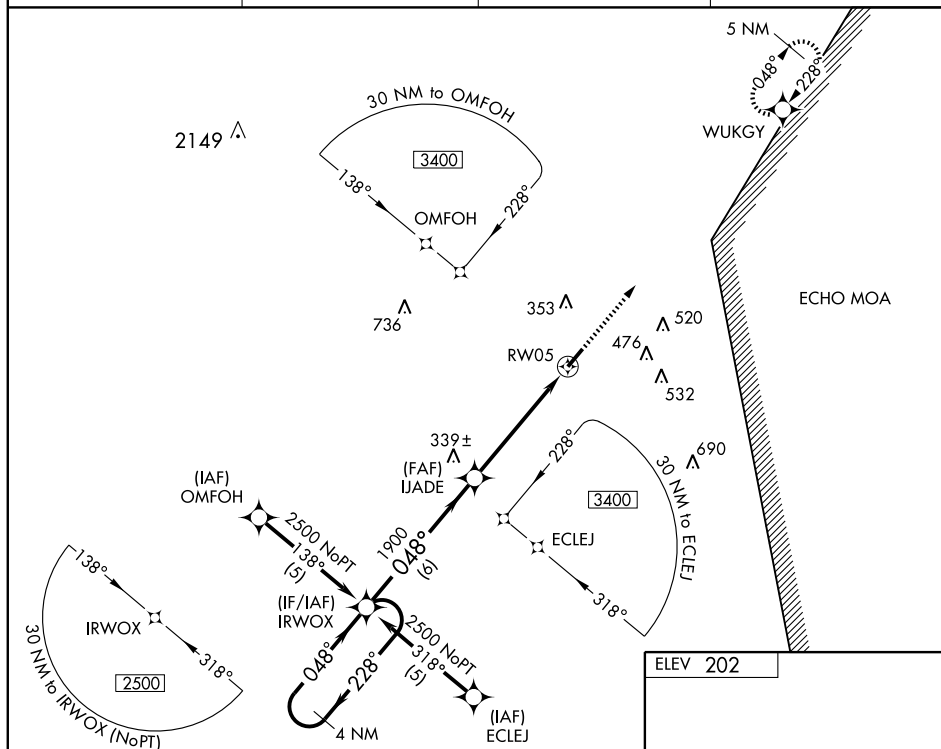
MISSED APPROACH:
Climb to 3400 direct
WUKGY and hold.

AWOS-3
119.025

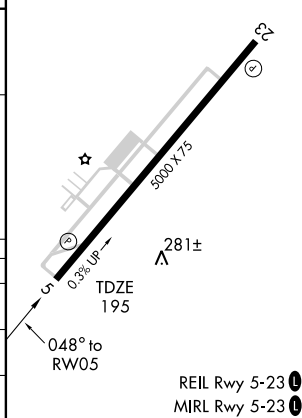
FAYETTEVILLE APP CON
125.175 397.85

GCO
135.075

UNICOM
122.7 (CTAF)



<p>4 NM Holding Pattern</p> <p>IRWOX</p> <p>2500</p> <p>228°</p> <p>048°</p> <p>048°</p> <p>IJADE</p> <p>1900</p> <p>RW05</p> <p>6 NM</p> <p>5.2 NM</p> <p>GS 3.00° TCH 35°</p>				
CATEGORY	A	B	C	D
LPV DA	474-1 279 (300-1)			NA
LNAV MDA	540-1 345 (400-1)			NA
CIRCLING	600-1 398 (400-1)	660-1 458 (500-1)	720-1½ 518 (600-1½)	NA



WAAS
CH **45904**
W23A

APP CRS
228°

Rwy Idg
TDZE
Apt Elev

5000
202
202

RNAV (GPS) RWY 23

ERWIN/ HARNETT RGNL JETPORT (HRJ)

⚠ When local altimeter setting not received, use Smithfield altimeter setting and increase all DA/MDA 60 feet, increase LPV visibilities ¼ mile, and LNAV Cat. C visibility ½ mile. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. VDP NA when using Smithfield altimeter setting.

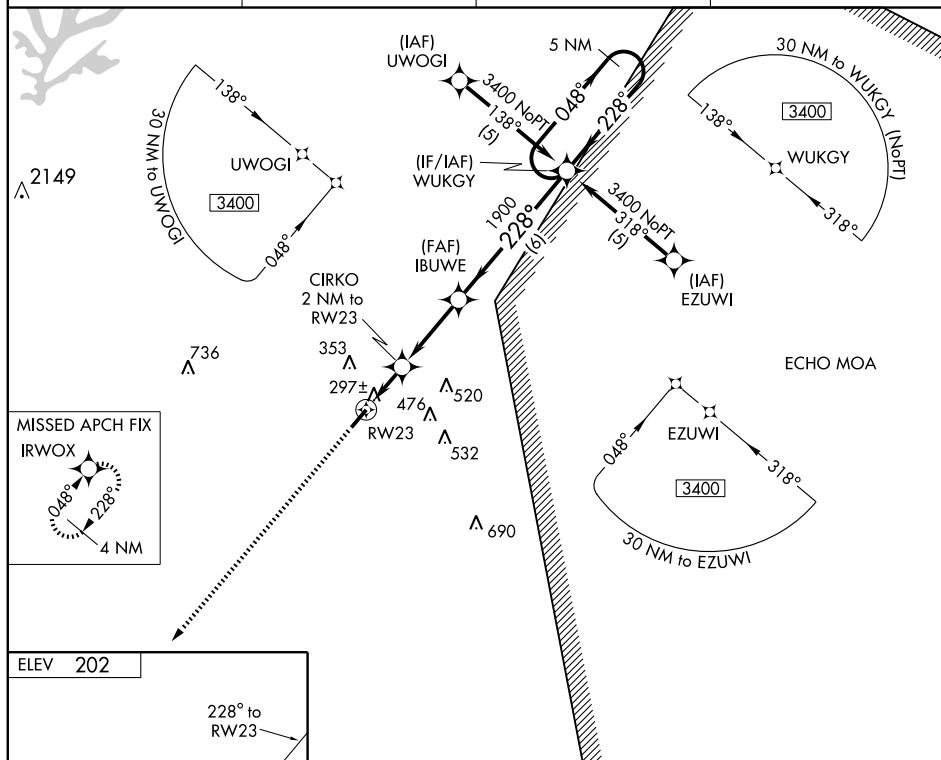
MISSED APPROACH:
Climb to 2500 direct
IRWOX and hold.

AWOS-3
119.025

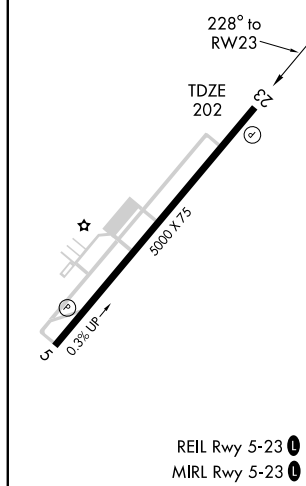
FAYETTEVILLE APP CON
125.175 397.85

GCO
135.075

UNICOM
122.7 (CTAF) 0



ELEV **202**



2500
↑
IRWOX

VGSI and RNAV glidepath
not coincident.

* LNAV only.

* 1.1 NM to RW23

RW23

* 860

1.1 0.9 3.1 NM 6 NM

CIRKO 2 NM to RW23

IBUWE

WUKGY

5 NM Holding Pattern

048° → 3400

← 228°

1900

GS 3.00° TCH 40

CATEGORY

A B C D

LPV DA 551-1¼ 349 (400-1¼) NA

LNAV MDA 600-1 398 (400-1) NA

CIRCLING 600-1 398 (400-1) 660-1 458 (500-1) 720-1½ 518 (600-1½) NA

VOR/DME **FAY**
108.8
 Chan **25**

APP CRS
020°

Rwy Idg **5000**
 TDZE **196**
 Apt Elev **198**

VOR/DME RWY 5
 ERWIN/ HARNETT RGNL JETPORT (HRJ)



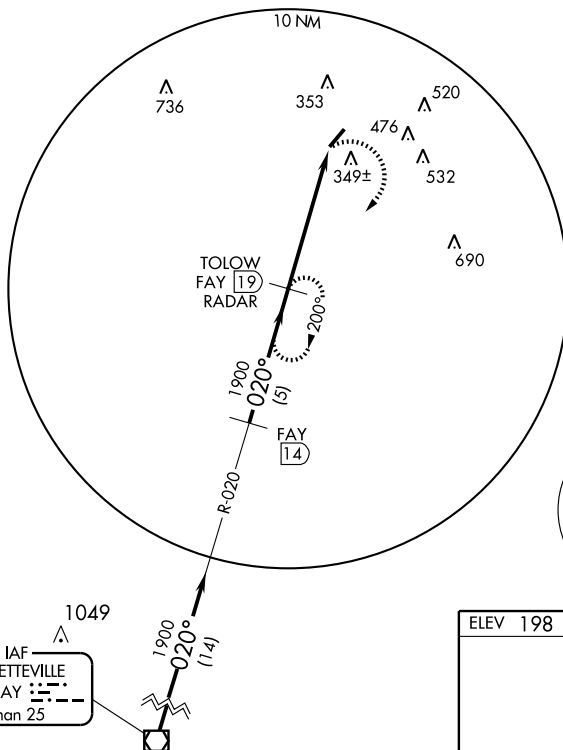
MISSED APPROACH: Climbing right turn to 1900 via
 FAY R-020 to TOLOW/FAY 19 DME and hold.

AWOS-3
119.025

FAYETTEVILLE APP CON
125.175 397.85

GCO
135.075

UNICOM
122.7 (CTAF) **0**



IAF
 FAYETTEVILLE
 108.8 FAY
 Chan 25

MSA FAY 25 NM

2500

ELEV 198

Procedure
 Turn
 NA

FAY
14

TOLOW
 FAY **19**
 RADAR

1900

FAY R-020
 108.8

TOLOW
 FAY **19**

1900

020°

1900

VGSI and descent
 angles not coincident.

2.98°
 TCH 40

FAY
24.3

TDZE
 196

0.3% UP

020° 5.3 NM
 from FAF

REIL Rwy 5-23 **0**
 MIRL Rwy 5-23 **0**

CATEGORY

A

B

C

D

S-5

800-1
 604 (700-1)

800-1¼
 604 (700-1¼)

800-1¾
 604 (700-1¾)

NA

CIRCLING

800-1
 602 (700-1)

800-1¼
 602 (700-1¼)

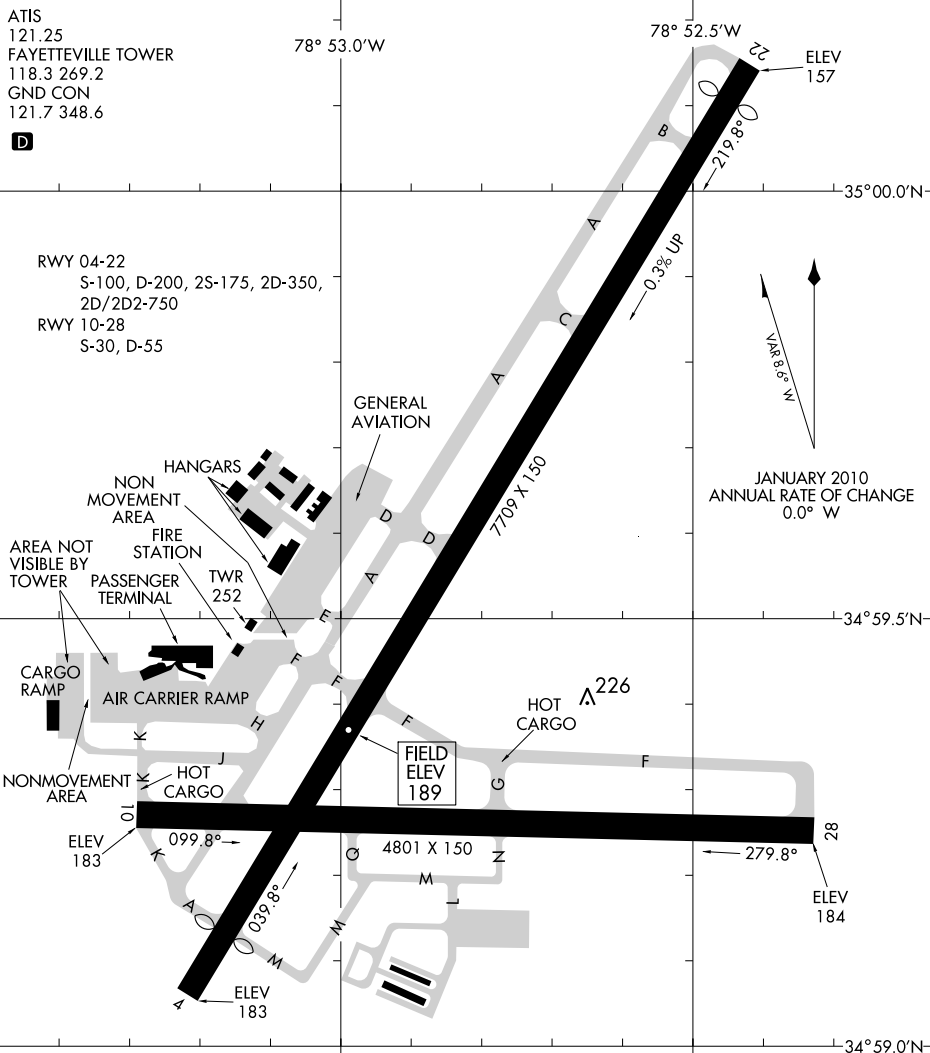
800-1¾
 602 (700-1¾)

NA

AIRPORT DIAGRAM

AL-690 (FAA)

FAYETTEVILLE, NORTH CAROLINA



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBCK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.



AIRPORT DIAGRAM

FAYETTEVILLE, NORTH CAROLINA

FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)

FAYETTEVILLE

FAYETTEVILLE RGNL/GRANNIS FLD (FAY) 3 S UTC-5(-4DT)

N34°59.47' W78°52.82'

189 B S4 FUEL 100LL, JET A Class I, ARFF Index B NOTAM FILE FAY

RWY 04-22: H7709X150 (ASPH-GRVD) S-100, D-200, 2S-175, 2D-350, 2D/2D2-750 HIRL 0.3% up SW

RWY 04: MALSR. PAPI (P4R)—GA 3.0° TCH 60'. Thld dsplcd 499'.

RWY 22: REIL. VASI(V4L)—GA 3.0° TCH 60'. Thld dsplcd 302'.

RWY 10-28: H4801X150 (ASPH) S-30, D-55 MIRL

RWY 10: REIL. Trees.

RWY 28: REIL. PAPI(P4L)—GA 3.0° TCH 35'. Trees.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 04: TORA-7712 TODA-7712 ASDA-7006 LDA-6507

RWY 22: TORA-7712 TODA-7712 ASDA-7213 LDA-6507

AIRPORT REMARKS: Attended 1100-0500Z \pm . CLOSED to all military acft over 17,000 lbs for air carrier tach ops except 24 hr PPR. Call arpt manager 910-433-1160 Mon-Fri. Major power plant repairs avbl for piston engines only.

WEATHER DATA SOURCES: ASOS (910) 484-1546. LAWRS.

COMMUNICATIONS: ATIS 121.25 UNICOM 122.95

RCO 122.1R 108.8T (RALEIGH RADIO)

Ⓡ APP/DEP CON 133.0 (061°-230°) 127.8 (231°-320°) 125.175 (321°-060°)

TOWER 118.3 GND CON 121.7

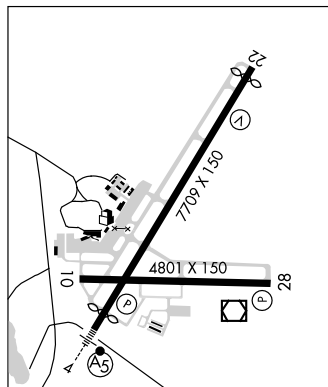
AIRSPACE: CLASS C svc continuously ctc APP CON

RADIO AIDS TO NAVIGATION: NOTAM FILE FAY.

(L) VOR/DME 108.8 FAY Chan 25 N34°59.13' W78°52.50' at fld. 179/04W.

DOONE NDB (LOM) 367 GR N34°54.75' W78°56.38' 039° 5.6 NM to fld.

ILS 110.5 I-GRA RWY 04. Class IB. LOM DOONE NDB. ILS unmonitored when twr clsd. Glideslope unusable byd 3° rgt of course.



GRAYS CREEK (2GC) 9S UTC-5(-4DT) N34°53.62' W78°50.61'

160 S4 FUEL 100LL NOTAM FILE RDU

RWY 17-35: H3500X30 (ASPH) S-8 LIRL(NSTD)

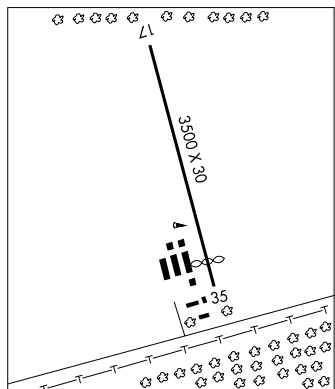
RWY 17: Crops. RWY 35: Thld dsplcd 350'. Trees.

AIRPORT REMARKS: Attended Mon-Fri 1300-2200Z \pm . Weekends by appointment only call 910-286-3435. 40' unmarked p-line 800' from dsplcd thld Rwy 35. Rwy 17-35 NSTD LIRL first 350' Rwy 35 not lgtd. For LIRL Rwy 17-35 call 910-483-4114. Rwy 17-35 lgtd thld relocated 350'; 3150' of Rwy 17-35 usable at ngt. Taxi on the grass apron at a slow speed due to uneven sod surface.

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE FAY.

FAYETTEVILLE (L) VOR/DME 108.8 FAY Chan 25 N34°59.13' W78°52.50' 168° 5.7 NM to fld. 179/04W.



FIDDLERS N35°42.61' W81°40.28' NOTAM FILE RDU.

NDB (MHW) 391 FIQ 031° 7.2 NM to Foothills Rgnl. NDB unusable byd 20 NM. NDB located 41,900' from threshold Rwy 03 and 400' SE of extended centerline.

FIRST FLIGHT (See KILL DEVIL HILLS)

FIRST RIVER N35°15.16' W81°35.93' NOTAM FILE RDU.

NDB (MHW) 417 SLP at Shelby-Cleveland Co Rgnl

FLANAGAN FLD (See FARMVILLE)

FOOTHILLS RGNL (See MORGANTON)

CHARLOTTE

H-9C, 12H, L-35A, 36F IAP, AD

CHARLOTTE

L-35A, 36F

ATLANTA

L-25C

CHARLOTTE

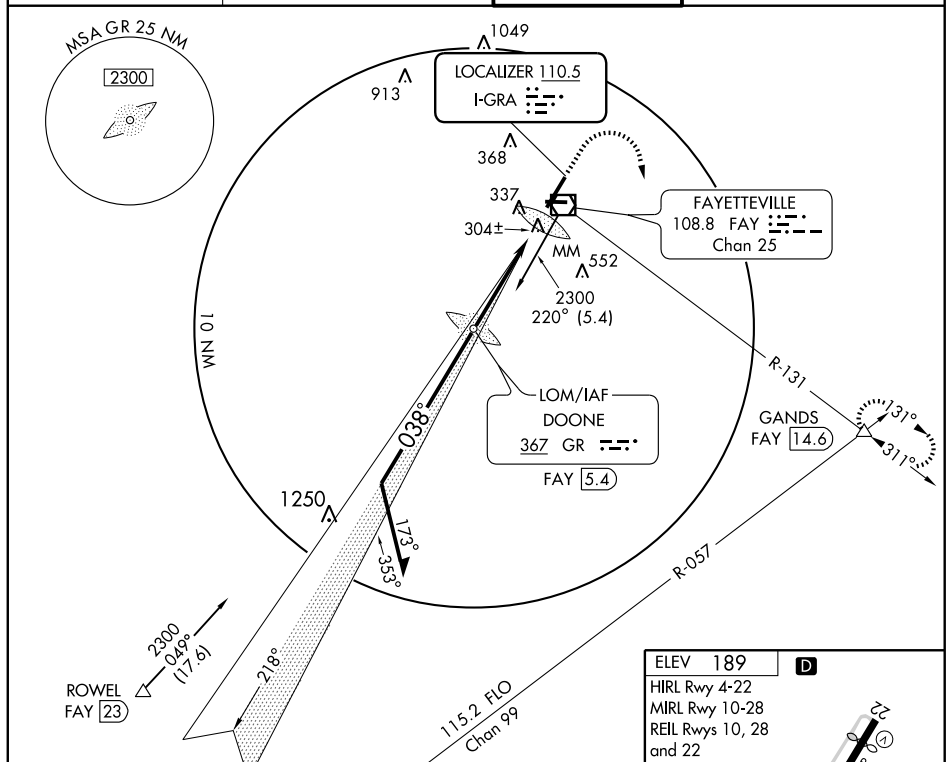
L-25D

ILS or LOC RWY 4

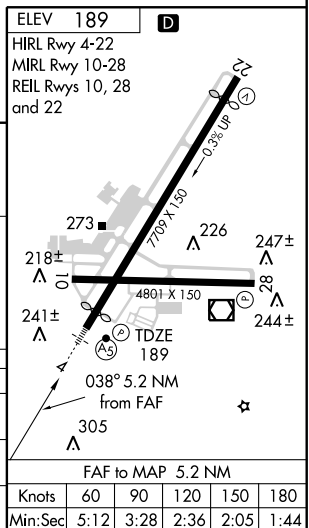
FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)

LOC I-GRA 110.5	APP CRS 038°	Rwy Idg TDZE Apt Elev	6507 189 189
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			MISSED APPROACH: Climb to 1100 then climbing right turn to 3000 via FAY R-131 to GANDS Int/FAY 14.6 DME and hold.
ATIS 121.25	FAYETTEVILLE APP CON 133.0 295.0	FAYETTEVILLE TOWER 118.3 269.2	GND CON 121.7 348.6



CATEGORY	A	B	C	D
S-ILS 4	389/24 200 (200-½)			
S-LOC 4	560/24 371 (400-½)			560/40 371 (400-¾)
CIRCLING	640-1	451 (500-1)	640-1½ 451 (500-1½)	740-2 551 (600-2)



LOC I-GRA 110.5	APP CRS 218°	Rwy Idg TDZE 182 Apt Elev 189
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LOC BC RWY 22

FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)

▼ DME or RADAR REQUIRED. When local altimeter setting not received, use Clinton altimeter setting and increase all MDA 80 feet and S-22 Cat D visibility ¼ mile.

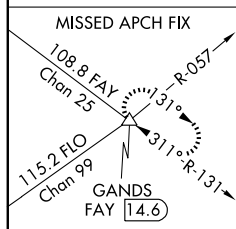
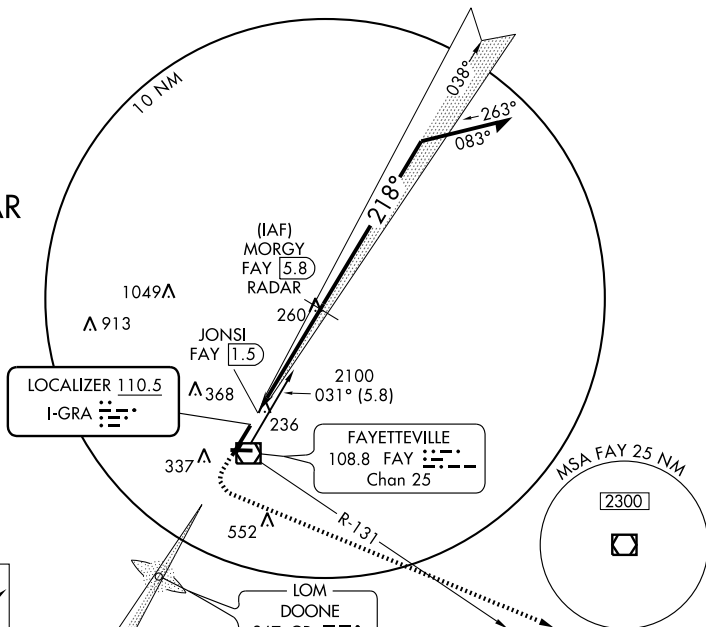
MISSED APPROACH: Climb to 900 then climbing left turn to 3000 via heading 100° and FAY VOR/DME R-131 to GANDS INT/FAY 14.6 DME and hold.

ATIS 121.25	FAYETTEVILLE APP CON 133.0 295.0	FAYETTEVILLE TOWER 118.3 269.2	GND CON 121.7 348.6
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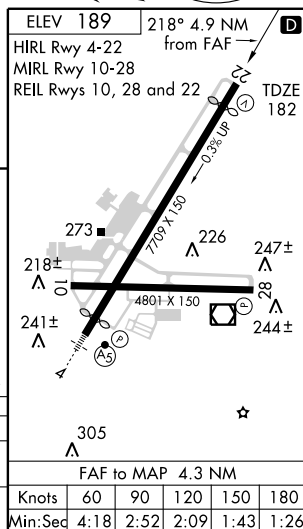
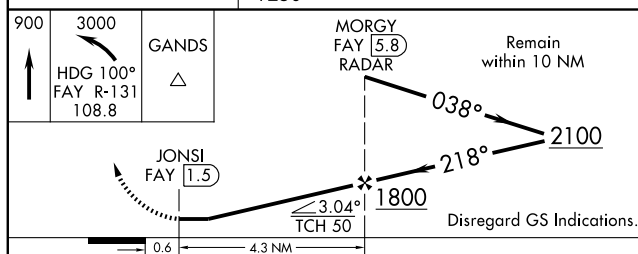
ALTERNATE MISSED
APCH FIX



**DME or RADAR
REQUIRED**

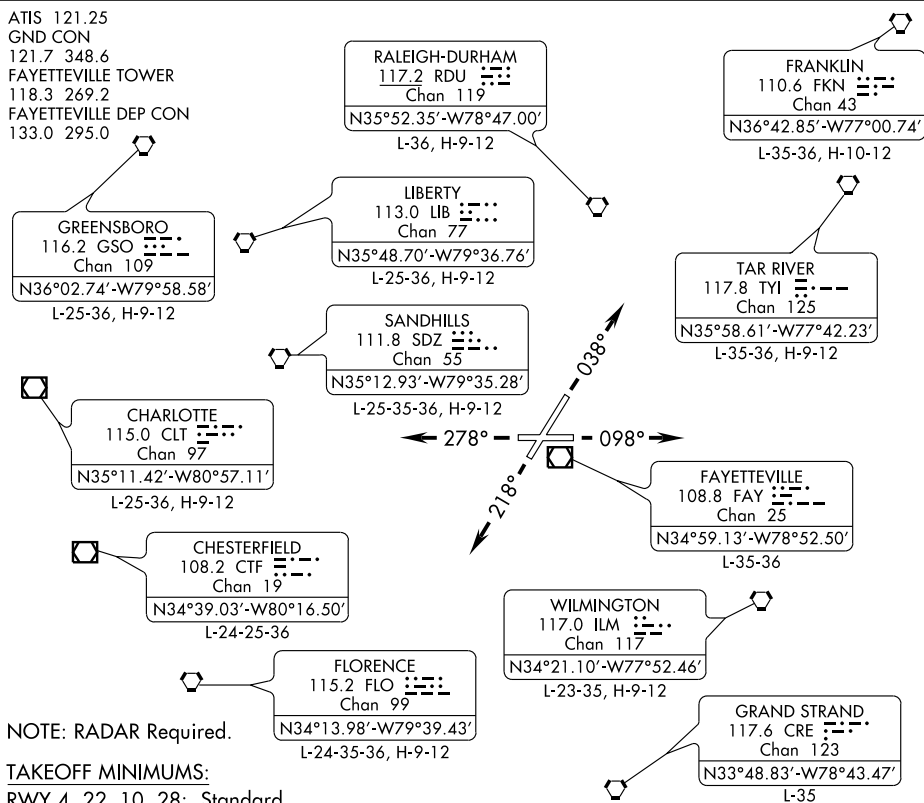


BACK COURSE



CATEGORY	A	B	C	D
S-22	500-1 318 (400-1)			
CIRCLING	640-1 451 (500-1)	640-1½ 451 (500-1½)	740-2 551 (600-2)	

MOUNTY TWO DEPARTURE

FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)
SL-690 (FAA) FAYETTEVILLE, NORTH CAROLINA

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb heading 038° or as assigned. Thence. . .TAKEOFF RUNWAY 10: Climb heading 098° or as assigned. Thence. . .TAKEOFF RUNWAY 22: Climb heading 218° or as assigned. Thence. . .TAKEOFF RUNWAY 28: Climb heading 278° or as assigned. Thence. . .

. . . Maintain 2000 feet or assigned altitude. Expect vectors to join filed route.

Expect further clearance to filed altitude 10 minutes after departure.

MOUNTY TWO DEPARTURE

WAAS CH 50111 W04A	APP CRS 038°	Rwy Idg TDZE Apt Elev	6507 189 189
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RNAV (GPS) RWY 4

FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)

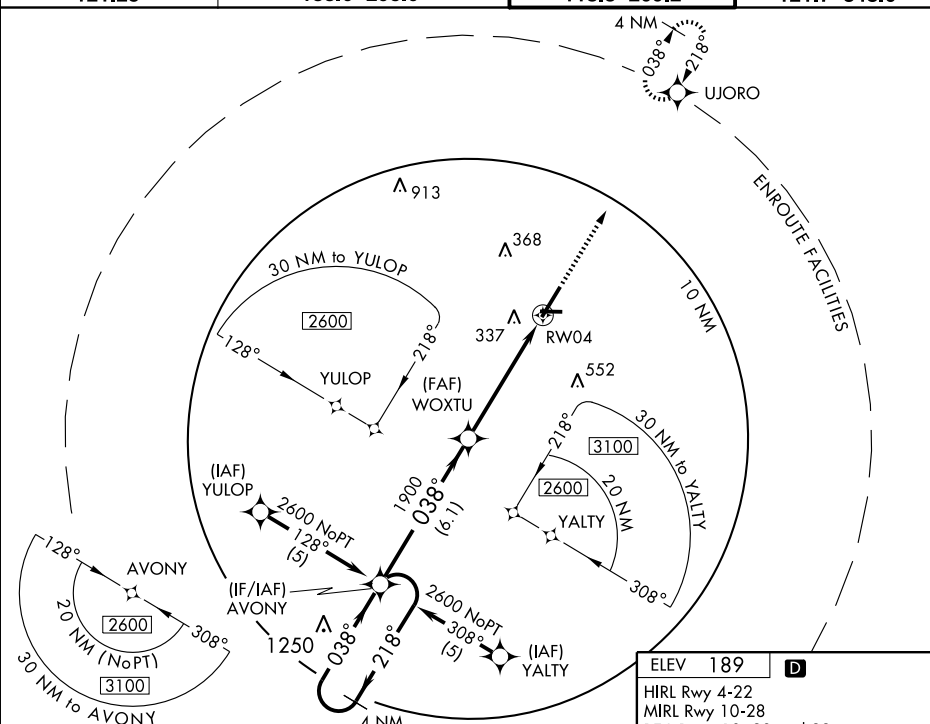
<p>▼ If local altimeter setting not received, use Clinton altimeter setting and increase LPV DA to 510 feet; increase LNAV/VNAV DA to 720 feet; increase all MDAs 80 feet. DME/DME RNP-0.3 NA. Baro-VNAV NA below -15°C (5°F). Baro-VNAV and VDP NA when using Clinton altimeter setting. For inoperative MALS, increase LPV Cat A,B,C,D visibility to RVR 4000 and LNAV Cat D visibility to RVR 6000.</p>	<p>MALS</p>	<p>MISSED APPROACH: Climb to 2600 direct UJORO and hold.</p>
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ATIS
121.25

FAYETTEVILLE APP CON
133.0 295.0

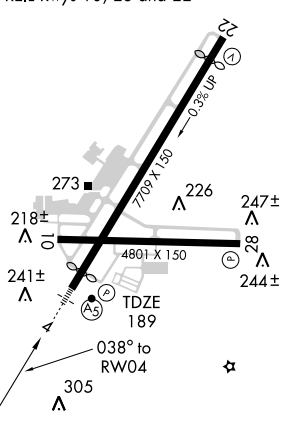
FAYETTEVILLE TOWER
118.3 269.2

GND CON
121.7 348.6



ELEV **189** **D**
HIRL Rwy 4-22
MIRL Rwy 10-28
REIL Rws 10, 28 and 22

4 NM Holding Pattern	AVONY	WXTU	RW04	UJORO
2600	218°	038°	038°	2600
GS 3.00°				
TCH 51				
VGSI and RNAV Glidepath not coincident.				
CATEGORY	A	B	C	D
LPV DA		440/24	251 (300-½)	
LNAV/VNAV DA		640/50	451 (500-1)	
LNAV MDA	580/24	391 (400-½)		580/50 391 (400-1)
CIRCLING	640-1½	451 (500-1½)		740-2 551 (600-2)



APP CRS **086°**
 Rwy Idg **4801**
 TDZE **188**
 Apt Elev **189**

RNAV (GPS) RWY 10

FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)

GPS or RNP-0.3 Required.
 DME/DME RNP-0.3 NA.

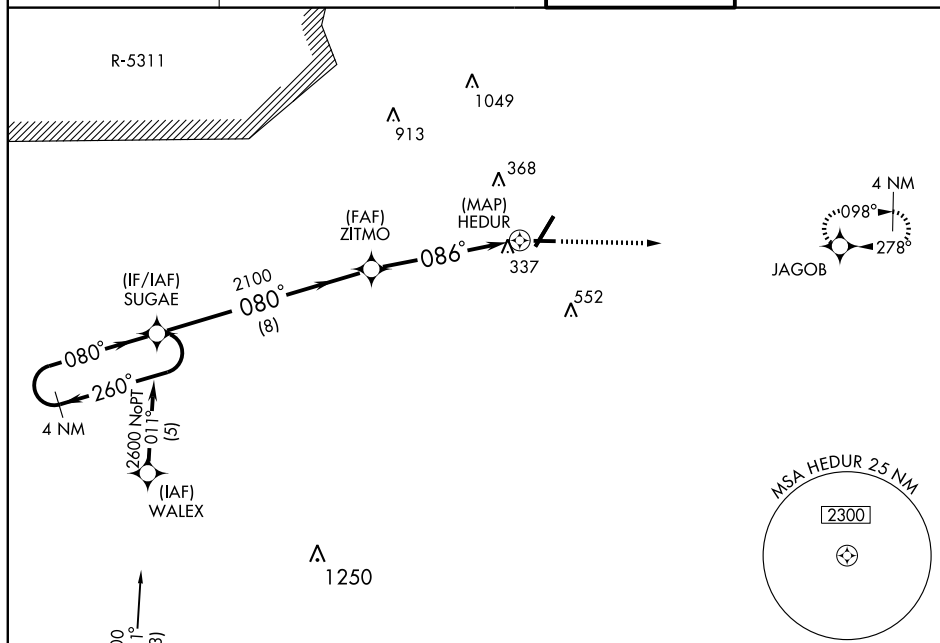
MISSED APPROACH: Climb to 2600
 direct JAGOB WP and hold.

ATIS
121.25

FAYETTEVILLE APP CON
133.0 295.0

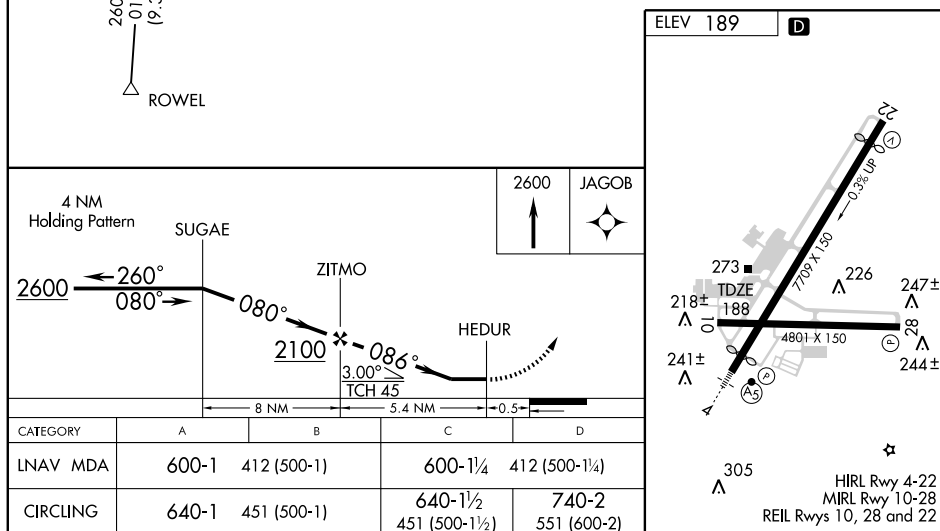
FAYETTEVILLE TOWER
118.3 269.2

GND CON
121.7 348.6



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010



WAAS CH 45511 W22A	APP CRS 218°	Rwy Idg TDZE 182 Apt Elev 189	6507
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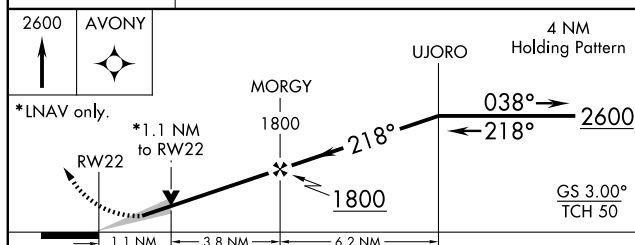
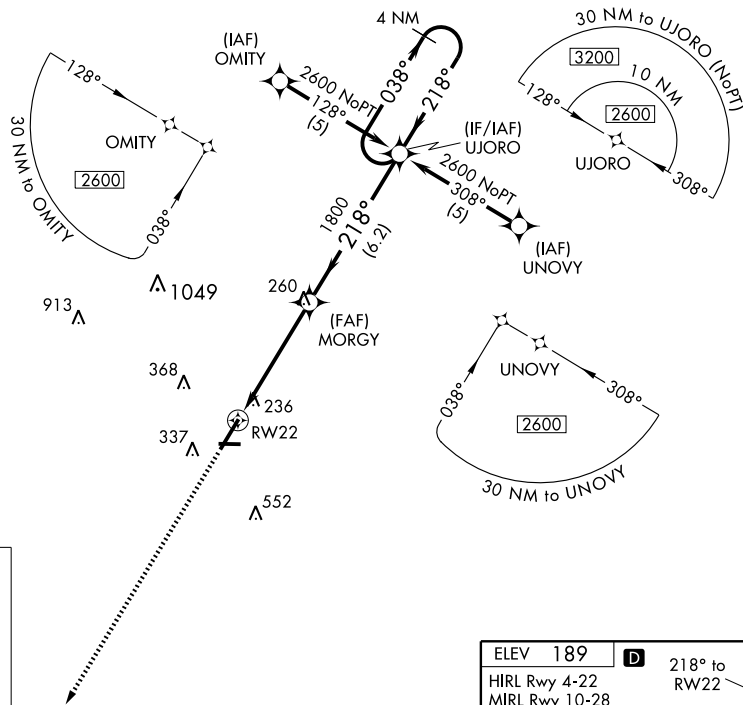
RNAV (GPS) RWY 22

FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)

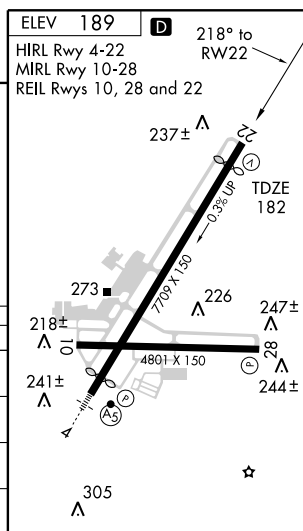
▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F).
▲ DME/DME RNP-0.3 NA. When local altimeter setting not received, use Clinton altimeter setting and increase all DA 65 feet and all MDA 80 feet and LPV all Cats, LNAV/VNAV all Cats, and LNAV Cats C/D visibilities ¼ mile. Baro-VNAV and VDP NA when using Clinton altimeter setting.

MISSED APPROACH:
Climb to 2600 direct AVONY and hold.

ATIS 121.25	FAYETTEVILLE APP CON 133.0 295.0	FAYETTEVILLE TOWER 118.3 269.2	GND CON 121.7 348.6
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CATEGORY	A	B	C	D
LPV DA	432-1	250 (300-1)		
LNAV/VNAV DA	504-1¼	322 (400-1¼)		
LNAV MDA	560-1	378 (400-1)	560-1¼	378 (400-1¼)
CIRCLING	640-1	451 (500-1)	640-1½	740-2
			451 (500-1½)	551 (600-2)



APP CRS **278°**
Rwy Idg **4801**
TDZE **188**
Apt Elev **189**

RNAV (GPS) RWY 28

FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)

GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.
Baro-VNAV NA below -15°C (5°F).

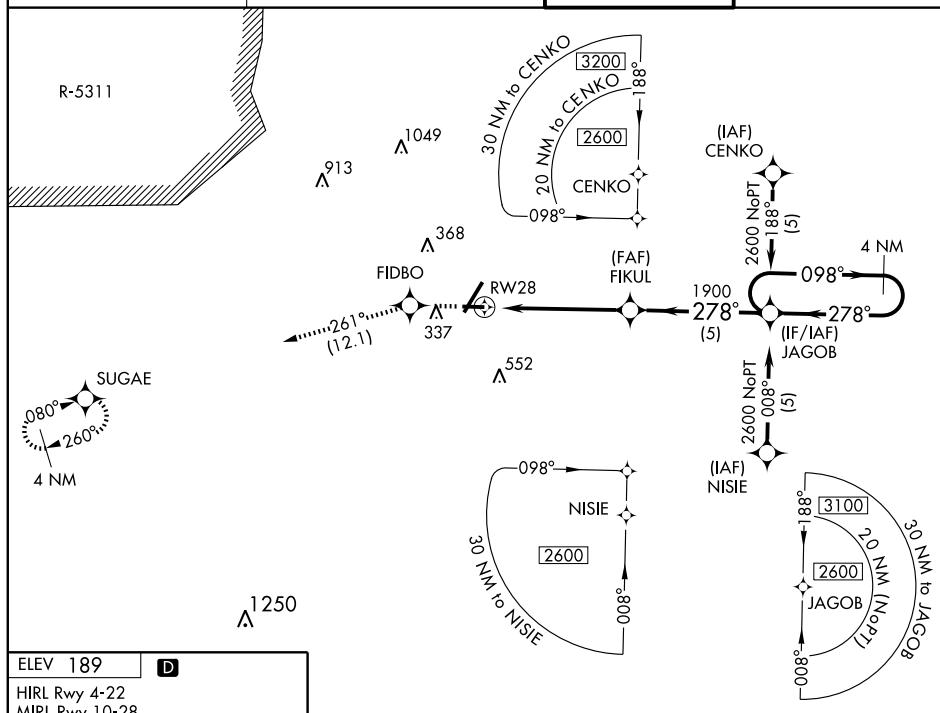
MISSED APPROACH: Climb to 2600 via 278° course to FIDBO WP then via 261° course to SUGAE WP and hold.

ATIS
121.25

FAYETTEVILLE APP CON
133.0 295.0

FAYETTEVILLE TOWER
118.3 269.2

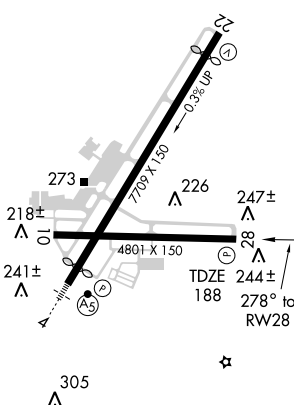
GND CON
121.7 348.6



ELEV **189**

D

HIRL Rwy 4-22
MIRL Rwy 10-28
REIL Rwys 10, 28 and 22



	2600	FIDBO	CRS 278°	CRS 261°	SUGAE	4 NM Holding Pattern
						JAGOB
						098° → 2600
						← 278°
						GS 3.00° TCH 35
						1.1 4.1 NM 5 NM
CATEGORY	A	B	C	D		
GLS (PA) DA	NA					
LNAV/VNAV DA	500-1¼ 312 (400-1¼)					
LNAV MDA	560-1 372 (400-1)					560-1¼ 372 (400-1¼)
CIRCLING	640-1¼ 451 (500-1¼)	640-1½ 451 (500-1½)		740-2 551 (600-2)		

VOR/DME FAY
108.8
 Chan **25**

APP CRS
057°

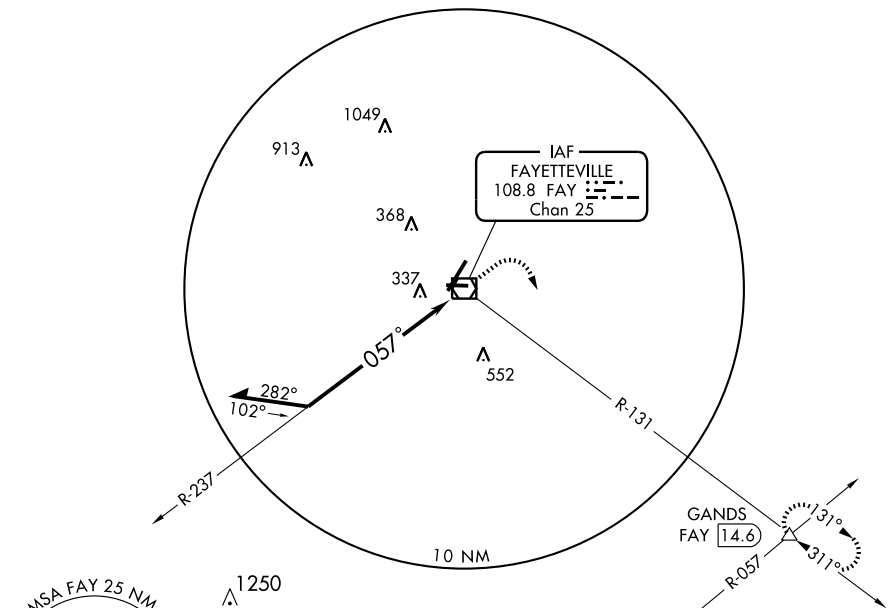
Rwy Idg
 TDZE
 Apt Elev

6507
189
189

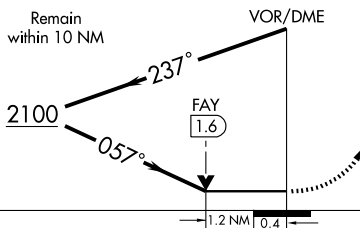
VOR RWY 4

FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)

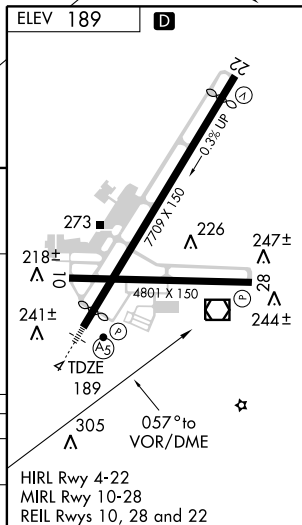
		MALSR 	MISSED APPROACH: Climb to 1100 then climbing right turn to 3000 via FAY R-131 to GANDS Int/FAY 14.6 DME and hold.
ATIS 121.25	FAYETTEVILLE APP CON 133.0 295.0	FAYETTEVILLE TOWER 118.3 269.2	GND CON 121.7 348.6



Remain
 within 10 NM



1100
 3000
 GANDS
 FAY R-131
 108.8



CATEGORY	A	B	C	D
S-4	640/24 451 (500-½)		640/40 451 (500-¾)	640/50 451 (500-1)
CIRCLING	640-1 451 (500-1)		640-1½ 451 (500-1½)	740-2 551 (600-2)

VOR/DME FAY 108.8 Chan 25	APP CRS 198°	Rwy Idg 6507 TDZE 182 Apt Elev 189
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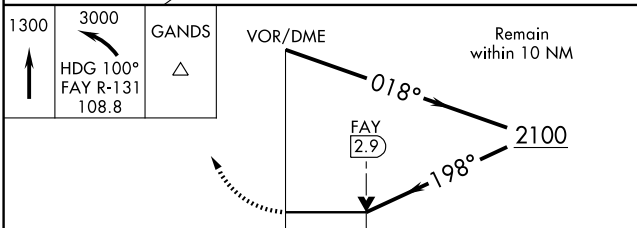
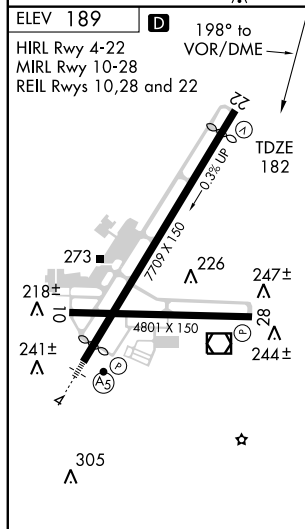
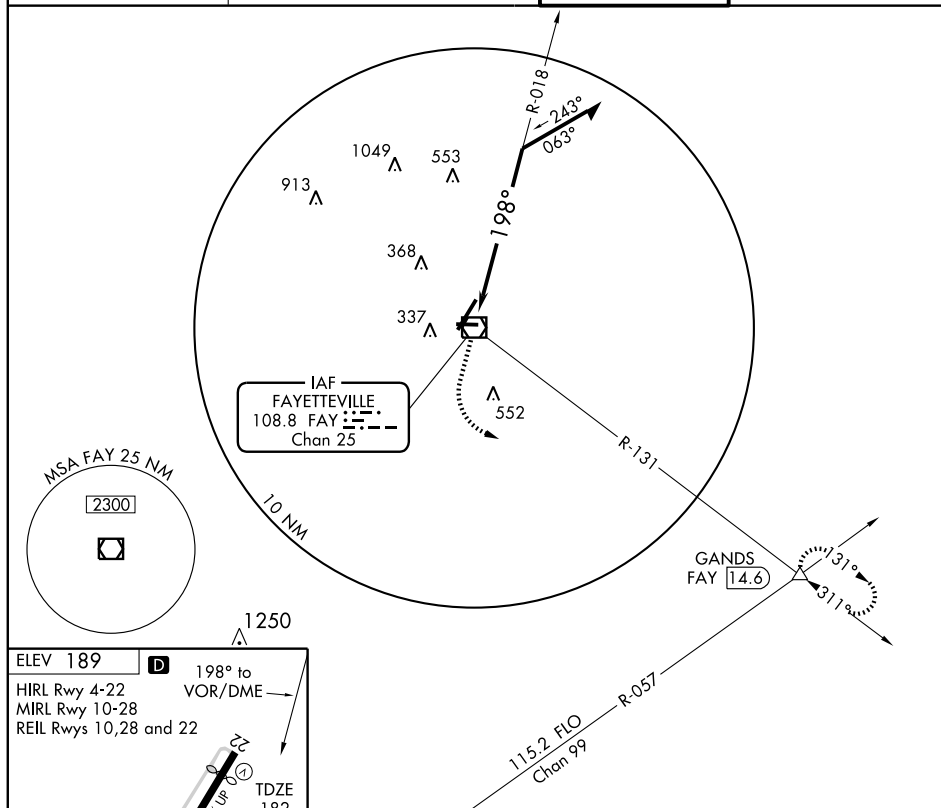
VOR RWY 22

FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)

⚠ When local altimeter setting not received, use Clinton altimeter setting and increase all MDA 80 feet and S-22 Cats C/D and Circling Cats C/D visibilities ¼ mile.

MISSED APPROACH: Climb to 1300 then climbing left turn to 3000 via heading 100° and FAY VOR/DME R-131 to GANDS INT/FAY 14.6 DME and hold.

ATIS 121.25	FAYETTEVILLE APP CON 133.0 295.0	FAYETTEVILLE TOWER 118.3 269.2	GND CON 121.7 348.6
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CATEGORY	A	B	C	D
S-22	840-1 658 (700-1)		840-1¾ 658 (700-1¾)	840-2 658 (700-2)
CIRCLING	840-1 651 (700-1)		840-1¾ 651 (700-1¾)	840-2 651 (700-2)

VOR/DME FAY 108.8 Chan 25	APP CRS 264°	Rwy Idg TDZE Apt Elev	4801 188 189
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VOR RWY 28

FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)



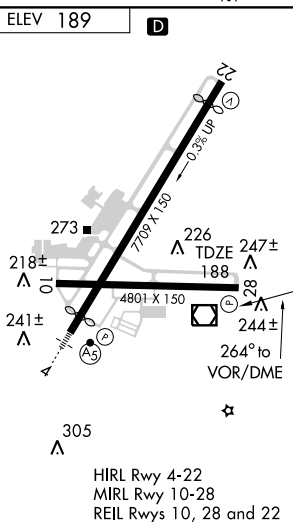
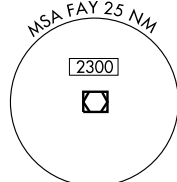
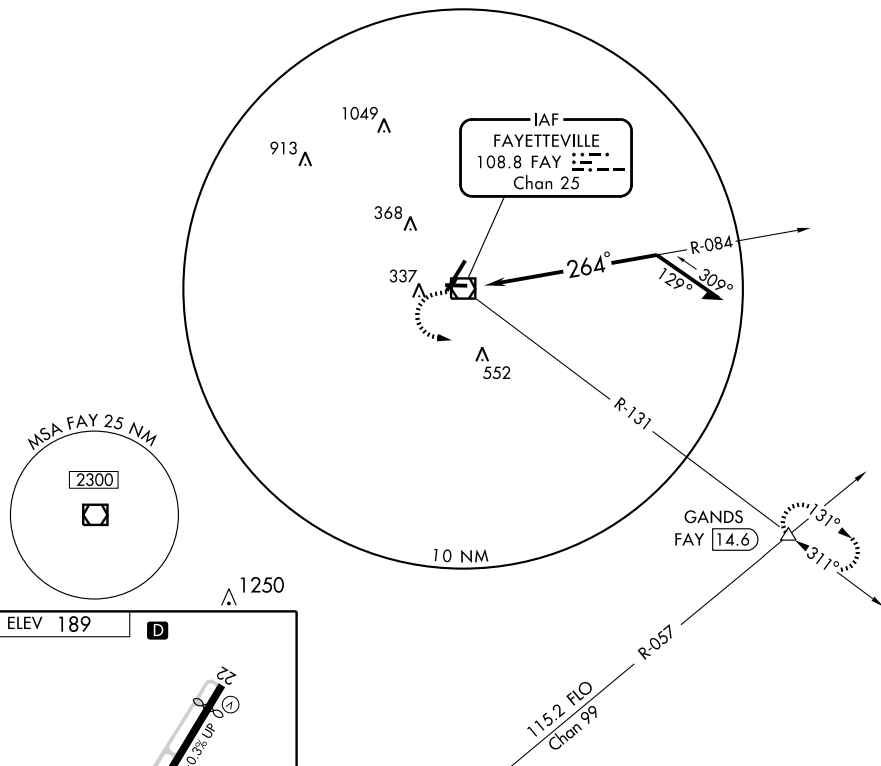
MISSED APPROACH: Climb to 1100 then climbing left turn to 3000 via FAY R-131 to GANDS Int/FAY 14.6 DME and hold.

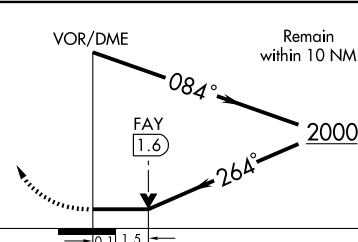
ATIS
121.25

FAYETTEVILLE APP CON
133.0 295.0

FAYETTEVILLE TOWER
118.3 269.2

GND CON
121.7 348.6



1100 ↑	3000 ↖ FAY R-131 108.8	GANDS △				
			VOR/DME 084° 2000 264° FAY 1.6 0.1 1.5 Remain within 10 NM			
CATEGORY	A	B	C	D		
S-28	680-1	492 (500-1)	680-1¼ 492 (500-1¼)	680-1½ 492 (500-1½)		
CIRCLING	680-1	491 (500-1)	680-1½ 491 (500-1½)	740-2 551 (600-2)		

POPE AFB (POB)(KPOB) AF 12 NW UTC-5(-4DT) N35°10.25' W79°00.87'
 217 B TPA—See Remarks Class I, ARFF Index Ltd. NOTAM FILE POB Not insp.
RWY 05-23: H7501X150 (PEM-GRVD) PCN 58 F/B/W/T HIRL 0.4% up SW
RWY 05: REIL. PAPl. **RWY 23:** ALSF1. PAPl. Rgt tfc.
RWY 049-229: H3000X60 (ASPH) PCN 27 F/A/W/T LIRL
RWY 049: Rgt tfc.

CHARLOTTE

H-9C, 12H, L-36F

DIAP, AD

MILITARY SERVICE: LGT HIRL located 16' from rwy edge. **JASU** (A/M32A-86) 1(MA-1A) **FUEL J8**
FLUID SP LPOX LOX **OIL** O-128—In can only, -133-148.

MILITARY REMARKS: See FLIP AP/1 Supplementary Arpt Remark. **RSTD** Phase II BASH 1 Sep-30 Nov due to increased migratory bird activity. Peak activity occurs 1 hr of SR and SS. Circle apch to Rwy 05 not authorized for formation during IMC. 24 hr PPR ctc AMOPS DSN 424-6508/09/10. All inbound acft with VIP ctc Comd Post 30 min out. Ctc Pope AMOPS with 3 hrs notice for CSTMS and AG. PPR except Distinguished Visitor acft DSN 424-6508/09/10. PPR for AMC/explosive loaded acft DSN 424-7388, during normal duty hr, 24 hr prior notice required. Category E apch minimum unavbl due R5311 located 2.5 NM dep end Rwy 23. Twy leading to Golden Knights Ramp clsd to USAF C130 and larger acft due to twy width less than 75'. AMC/AFRC acft opr restricted during Bird Watch Condition Moderate (tkf or ldg permission only when dep and arr route avoid identified bird activity. No local IFR/VFR tfc pat activity) and Severe (tkf and ldg prohibited without OG/CC approval), ctc AMOPS for current Bird Watch Condition code. Expect full stop ldg during intense training periods. Parking spot P-13 clsd except for contingency opr. **CAUTION** Dense air tfc all quad, all alt. ILS glide slope antenna 30' high, 1111' from apch end and 400' left of centerline Rwy 23. Frequent Low-Level Wind Shear sfc—2000', 0800-1300Z. Rwy 23 dep and Rwy 05 arr, avoid R5311, 2.5 NM west of Pope. Ctc Pope Twr for turns thru Sector IV. Twr 417' located 5780' bearing 205° from dep end Rwy 23/apch end Rwy 05. Hill 313 located 1297' bearing 170° from dep end Rwy 23/apch end Rwy 05. Twr 430' located 6878' bearing 220° from dep end Rwy 23/apch end Rwy 05. Acft should exercise extreme caution when taxiing on the Green and Yellow Ramps due to wing tip clnc. Uncontrolled vehicles on twy and ramps. Afd lgtg intermittently between SS and SR due to local ngt vision device training, non-participating acft ctc control twr incr lgtg. **TFC PAT** TPA—Overhead 2000(1783), Rwy 23 enter 3 NM initial, rgt break. No overhead Rwy 05. Portion of overhead not visible from twr. Rectangular 1500(1283). Rwy 05 left tfc. Dep maintain 1500' or blo until dep end of rwy. **CSTMS/AG/IMG** CSTMS, AG avbl, 3 hr prior notice rqr. **MISC** AMOPS DSN 424-6508/09/10, Afd mgr DSN 424-4546/6508, C910-394-6508/4546, fax extension 6516/6520. All acft opr on AMC mission, include JA/ATT will coordination rqr/park with 43 AW/OSO DSN 424-7388 fax extension 7380. All inbound acft opr on AMC mission and all acft requiring IMT packages ctc Pope Comd Post. First 1000' Rwy 23 and first 300' Rwy 05 are concrete. Mid 6200' asphalt. 1000' keeled overrun, either end, may be used to begin tkf and for ldg rollout. Ctc ctl twr with intention to back taxi. When back taxiing, turning radius is located at end of sfc. See US Terminal Low IAPs, Airport Diagram. Engine runs will normally be conducted on Twy A and Twy M run-up areas. Romeo row will not be used for engine runs above idle speed. 60 day notice required for utilization of Pope AFB ramps for exercises. Ctc Pope AFB Enroute Ops, DSN 424-7388 for coordination and scheduling. Rwy 05-23 grooved. All inbound acft ctc twr on UHF. Rwy distance marker not avbl east side of rwy. Standard USAF RSRs applied except C-130 5000' during daytime. Request for concurrent servicing should be made to Pope Comd Post and approval is dependent upon mission need, station workload, and Crash/Fire/Rescue avbl. All acft carrying explosive cargo are rqr to pass the explosive class and the net explosive wt (NEW) to Pope Comd Post at inbound call. Inbound/outbound acft requiring IMT packages, ctc Pope Comd Post. Assault Strip panels are all international orange in color. All acft with non-aircrew passenger, ctc ATOC DSN 424-7303 upon arr and prior to dep. All acft rqr CSTMS and carrying personnel to include crew members that are not US mil (US mil defined as active duty, reserves or guard on active duty) must ctc Pope Comd Post at DSN 424-9000 or C(910) 394-9000 no later than five hrs prior to arrival to assure non-US cstms agent is in place upon arrival and excessive delays are avoided. This action is rqr despite prearrangements made with cstms officials. No COMSEC material avbl. Tran aircrews should plan to arrive with appropriate amount of COMSEC to complete entire mission. Storage avbl at airfield mgt up to and including Secret. All Tran aircrews shall store Top Secret material with 43 OSS/IN during duty hours. After normal duty hours, coordinate with Wing Command Post for proper storage of Top Secret material. Primary wx sensors automated. During periods of back-up/manual prevailing visibility may not be representative of entire afd due to obstacle from observation point. Observation point obstacle 330°-090°.

COMMUNICATIONS: D-ATIS 132.3 353.725 **PTD** 372.2

⑦ **FAYETTEVILLE APP/DEP** CON 125.175 397.85 (271°-090°) 133.0 295.0 (091°-270°)

TOWER 135.025 291.1 236.6X **GND CON** 124.55 275.8 **CLNC DEL** 275.8

POPE COMD POST 134.1X 257.1 381.3 **PMSV METRO** 344.6 Automated AN/FMQ-19 in use. Opr Mon-Thu 1000-0300Z, Fri 1000-2200Z or end of local flying. Wx briefing DSN 424-6543/44. Full svc avbl 26 ows Barksdale AFB DSN 781-4775, C318-456-4775.

CONTINUED ON NEXT PAGE

CONTINUED FROM PRECEDING PAGE

AIRSPACE: CLASS C svc ctc APP CON

RADIO AIDS TO NAVIGATION: NOTAM FILE POB.

(L) TACAN Chan 85 POB (113.8) N35°10.11' W79°01.18' at fld. 240/7W. No NOTAM MP Thu 1300–1600Z.

TACAN azimuth unusable:

byd 30 NM blo 4,000'

331°–339° byd 17 NM

136°–151°

340°–358° byd 17 NM blo 4,000'

186°–191°

NDB (HW) 338 POB N35°13.61' W78°57.26' 228° 4.5 NM to fld. No NOTAM MP Fri 1300–1400Z.

ILS 110.9 I-POB Rwy 23. No NOTAM MP localizer Mon 1300–1600Z, glide slope Tue 1300–1600Z.

ATC protects FAA-defined ILS critical zone.

MLS Y Chan 622 M-PPN Rwy 23. No NOTAM MP Fri 1300–1600Z. Unusable 268°–188° byd 15 NM and 268°–188° blo 1.8°.

POTTERS HILL

EAGLES NEST

(6N9) 0 SW UTC–5(–4DT) N34°58.93' W77°41.90'

CHARLOTTE

115 NOTAM FILE RDU

RWY 13–31: 1850X75 (TURF)

RWY 13: Trees.

RWY 31: Road.

AIRPORT REMARKS: Unattended. VFR only. Rwy 13 +6' bushes 10' from thld on centerline. Rwy 13–31 marked with yellow cones. Arpt is under several military VR routes. Jet acft cross arpt under 500' in excess of 200 knots.

COMMUNICATIONS: CTAF 122.9

RAEFORD

PK AIRPARK

(5W4) 3 NE UTC–5(–4DT) N35°01.19' W79°11.46'

CHARLOTTE

304 B FUEL 100LL, JET A+ NOTAM FILE RDU

RWY 04–22: H3402X60 (ASPH) S–30 MIRE 0.4% up NE

RWY 04: Trees.

RWY 22: Trees. Rgt tfc.

AIRPORT REMARKS: Attended 1300Z–dusk. CAUTION —Low flying military acft in area; arpt located within a military ops area. Frequent parachute activity to target 300 ft SE of terminal apron. Acft in vicinity monitor 123.5. Monitor frequency 123.5 for parachute jumping activity. Fly 1 mile wide down wind leg to prevent conflicts with parachute jumping activity (Drop Zone SE from rwy.) Contact FSS prior to landing.

COMMUNICATIONS: CTAF/UNICOM 123.0

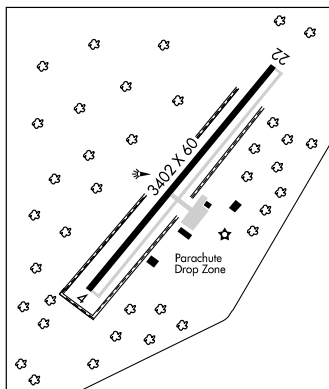
® FAYETTEVILLE APP/DEP CON 127.8

RADIO AIDS TO NAVIGATION: NOTAM FILE FAY.

FAYETTEVILLE (L) VOR/DME 108.8 FAY Chan 25 N34°59.13' W78°52.50' 282° 15.7 NM to fld. 179/04W.

L–35A, 36F

IAP



RALEIGH

TRIPLE W

(5W5) 11 SW UTC–5(–4DT) N35°37.22' W78°42.02'

CHARLOTTE

244 B S4 NOTAM FILE RDU

RWY 16–34: H3004X40 (ASPH) LIRL (NSTD)

RWY 16: Trees.

RWY 34: Trees.

AIRPORT REMARKS: Attended irregularly. Rwy 16–34 PAEW parallel twy. All acft over 6500 lbs. prohibited. Twr (500 AGL/826' MSL) approximately 1.75 NM NW of arpt. Be alert for rising terrain all quadrants. Rwy 16–34 has 4' dropoff 20' from pavement edge all sides. Twy not lgtd. 4 foot dropoff taxiway edge both sides—S end. Rwy 16–34 NSTD LIRL lgts 15 ft from edge of rwy; Rwy 16 thld lgts 150' from thld, Rwy 34 thld lgts 460' from thld. ACTIVATE LIRL—CTAF.

COMMUNICATIONS: CTAF/UNICOM 122.7

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

RALEIGH/DURHAM (H) VORTACW 117.2 RDU Chan 119 N35°52.35' W78°47.00' 169° 15.6 NM to fld. 429/04W.

L–35B, 36F

LOC I-POB 110.9	APCH CRS 228°	Rwy Idg TDZE 199 Arpt Elev 217
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AL-147 [USAF]

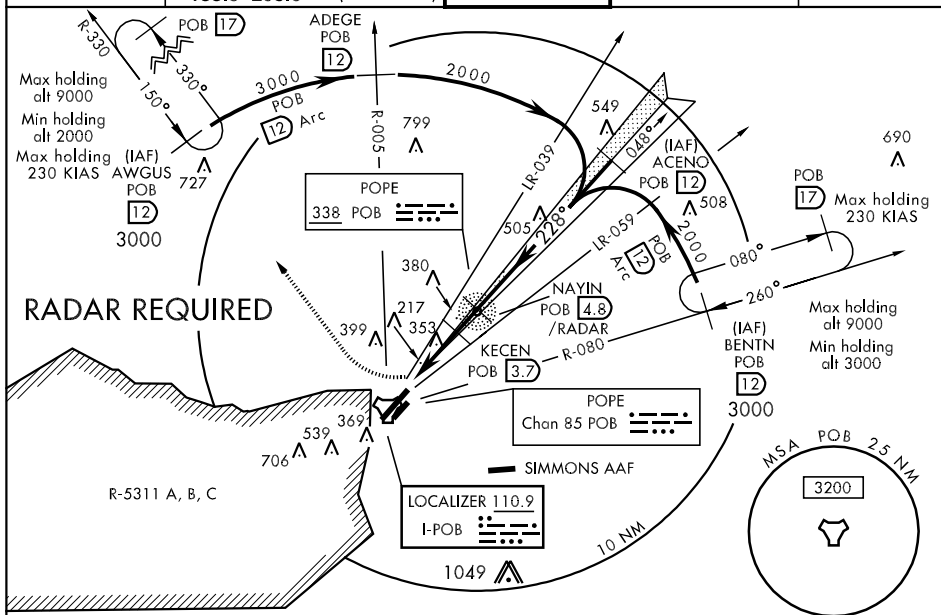
POPE AFB (KPOB)

- ▼ * When ALS inop, increase CAT ABCD RVR to 40 and vis to $\frac{3}{4}$ mile.
 ** When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile,
 CAT CD RVR to 60 and vis to 1 $\frac{1}{2}$ miles.
 *** Circling not authorized SE of Rwy 5-23.



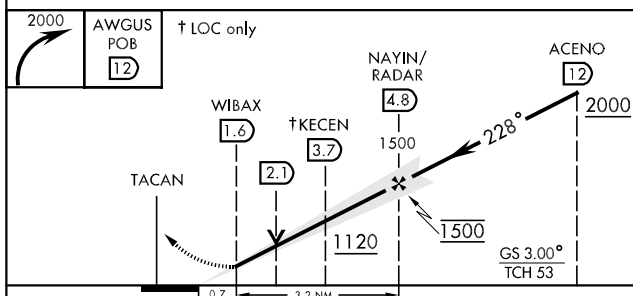
MISSED APPROACH: Climbing right
turn to 2000 direct AWGUS and hold.

ATIS 132.3 353.725	FAYETTEVILLE APP CON 125.175 397.85 (271°-090°) 133.0 295.0 (091°-270°)	POPE TOWER 135.025 291.1	GND CON 124.55 275.8	CLNC DEL 275.8
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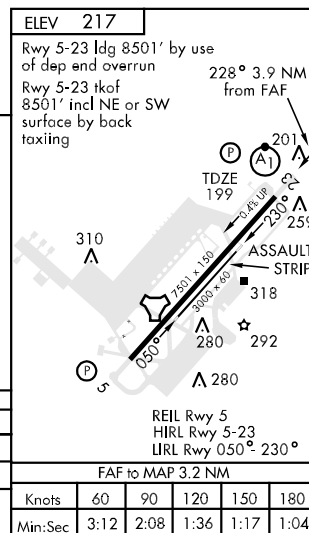


CAUTION: Avoid R-5311 A, B, C located
2.5 DME West of field

EMERG SAFE ALT 100 NM 5300
FROM "POB" TACAN



CATEGORY	A	B	C	D
S-ILS 23 *	399/24			
S-LOC 23 **	620/24	421 (500-1/2)	620/40	421 (500-3/4)
CIRCLING ***	680-1	463 (500-1)	680-1 1/2	860-2
		463 (500-1/2)	643 (700-2)	



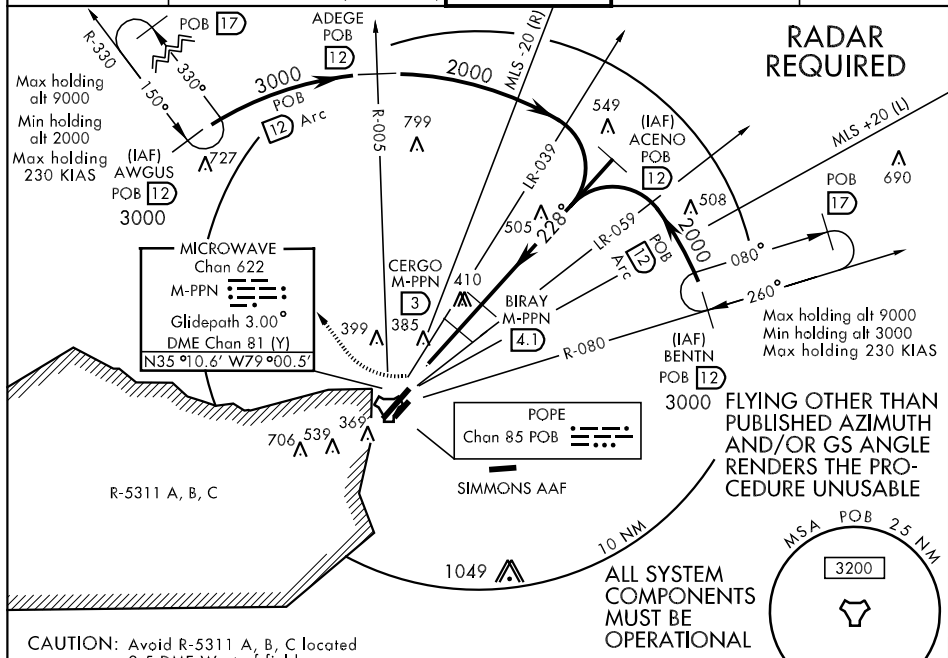
MLS M-PPN Chan 622	APCH CRS 228°	Rwy Idg TDZE 199 Arpt Elev 217	AL-147 [USAF]	POPE AFB (KPOB)
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- ▼ * When ALS inop, increase CAT ABCD RVR to 40 and vis to $\frac{3}{4}$ mile.
 ** When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile,
 CAT CD RVR to 60 and vis to $1\frac{1}{4}$ miles.
 *** Circling not authorized SE of Rwy 5-23.



MISSED APPROACH: Climbing right turn to 2000 direct AWGUS and hold.

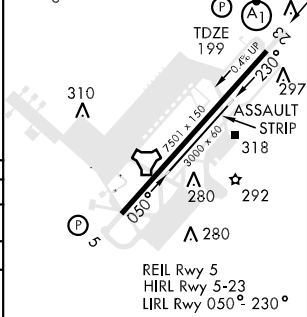
ATIS 132.3 353.725	FAYETTEVILLE APP CON 125.175 397.85 (271° - 090°) 133.0 295.0 (091° - 270°)	POPE TOWER 135.025 291.1	GND CON 124.55 275.8	CLNC DEL 275.8
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2000	AWGUS POB R-330 12	↑ CERGO M-PPN 3	BIRAY M-PPN 4.1	ACENO POB 12	2000
↑ Azimuth only					
TACAN	DAKAY M-PPN .8	M-PPN 1.3	1500	1500	
	0.6	3.3 NM			
CATEGORY	A	B	C	D	
S-COMP MMLS 23 *	399/24 200 (200-½)				
S-AZ 23 **	620/24	421 (500-½)	620/40	421 (500-¾)	
CIRCLING ***	680-1	421 (500-1)	680-1½ 463 (500-1½)	860-2 643 (700-2)	

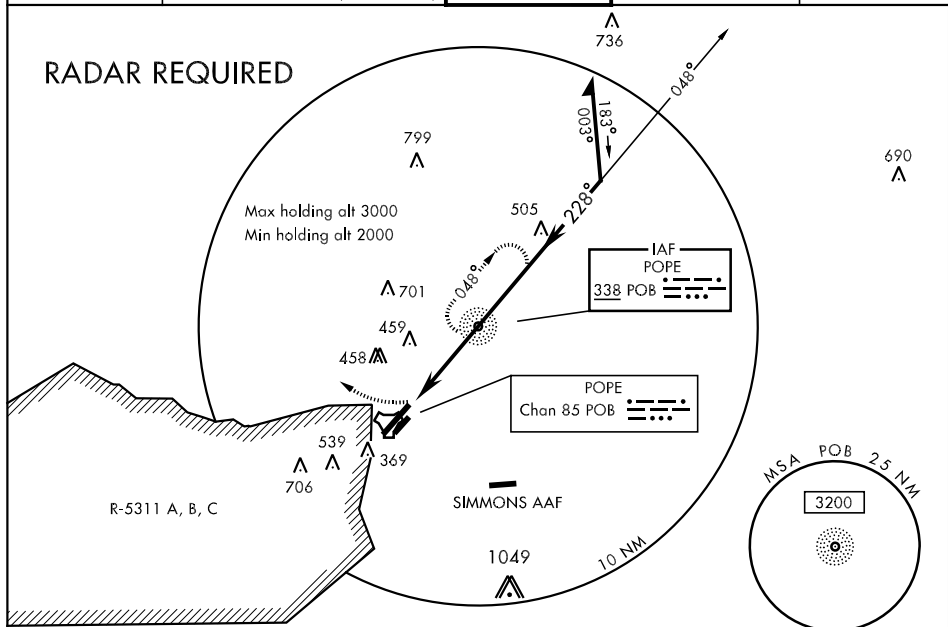
ELEV 217

Rwy 5-23 Idg 8501' by use of dep end overrun
 Rwy 5-23 tkof 8501' incl NE or SW surface by back taxiing



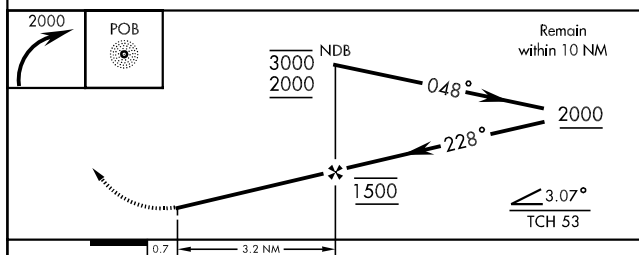
NDB POB 338	APCH CRS 228°	Rwy Idg TDZE 7501 199 Arpt Elev 217	AL-147 [USAF]	POPE AFB (KPOB)
▽ * When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C vis to 1½ miles, CAT D to 1¼ miles. ** Circling not authorized SE of Rwy 5-23.			ALSF-1 A1	MISSED APPROACH: Climbing right turn to 2000 direct POB NDB and hold, continue climb-in-hold to 2000.
ATIS 132.3 353.725	FAYETTEVILLE APP CON 125.175 397.85 (271° - 090°) 133.0 295.0 (091° - 270°)	POPE TOWER 135.025 291.1	GND CON 124.55 275.8	CLNC DEL 275.8

RADAR REQUIRED

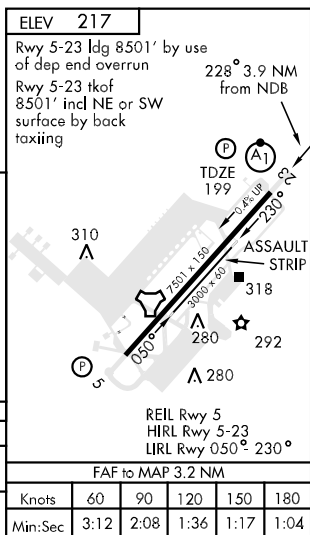


CAUTION: Avoid R-5311 A, B, C located
2.5 DME West of field

EMERG SAFE ALT 100 NM 5300
FROM "POB" TACAN



CATEGORY	A	B	C	D
S-23 *	760/24 561 (600-½)	760/50 561 (600-1)	760/60 561 (600-1¼)	
CIRCLING**	760-1 543 (600-1)	760-1½ 543 (600-1½)	860-2 643 (700-2)	



TACAN POB Chan 85	APCH CRS 360°	Rwy Idg TDZE Arpt Elev NA NA 217
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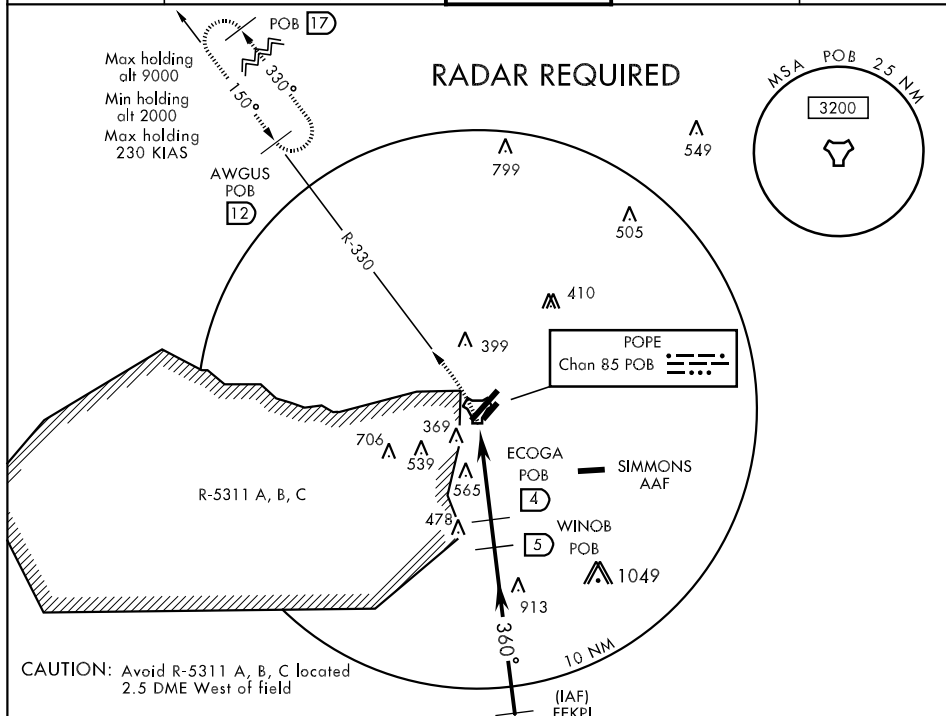
AL-147 [USAF]

POPE AFB (KPOB)

▼ * Circling not authorized SE of Rwy 5-23.

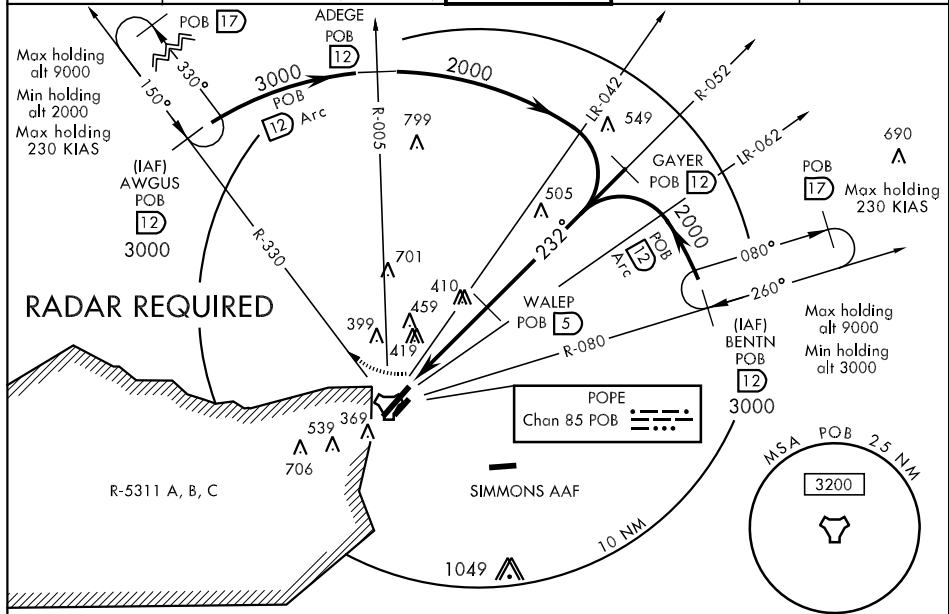
MISSED APPROACH: Climbing left turn to 2000
via POB R-330 to AWGUS and hold.

ATIS 132.3 353.725	FAYETTEVILLE APP CON 125.175 397.85 (271° - 090°) 133.0 295.0 (091° - 270°)	POPE TOWER 135.025 291.1	GND CON 124.55 275.8	CLNC DEL 275.8
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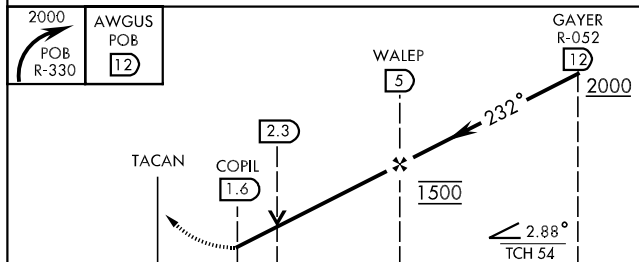
CATEGORY	A	B	C	D
CIRCLING *	840-1 623 (700-1)	840-1 623 (700-1 3/4)	860-2 643 (700-2)	

TACAN POB Chan 85	APCH CRS 232°	Rwy Idg TDZE Arpt Elev 7501 199 217	AL-147 [USAF]	POPE AFB (KPOB)
▼ * When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1½ miles, CAT D vis to 1½ miles. ** Circling not authorized SE of Rwy 5-23.			ALSF-1 (A1)	MISSED APPROACH: Immediate climbing right turn to 2000 via POB R-330 to AWGUS and hold.
ATIS 132.3 353.725	FAYETTEVILLE APP CON 125.175 397.85 133.0 295.0 (091°- 270°)	POPE TOWER 135.025 291.1	GND CON 124.55 275.8	CLNC DEL 275.8

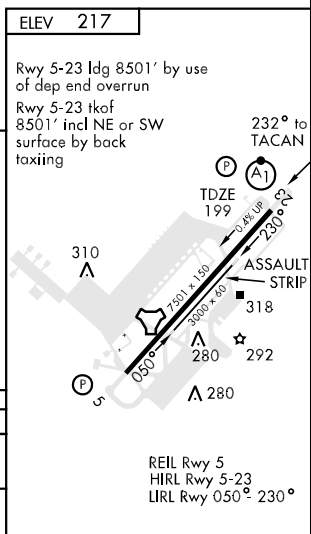


CAUTION: Avoid R-5311 A, B, C located
2.5 DME West of field

EMERG SAFE ALT 100 NM 5300



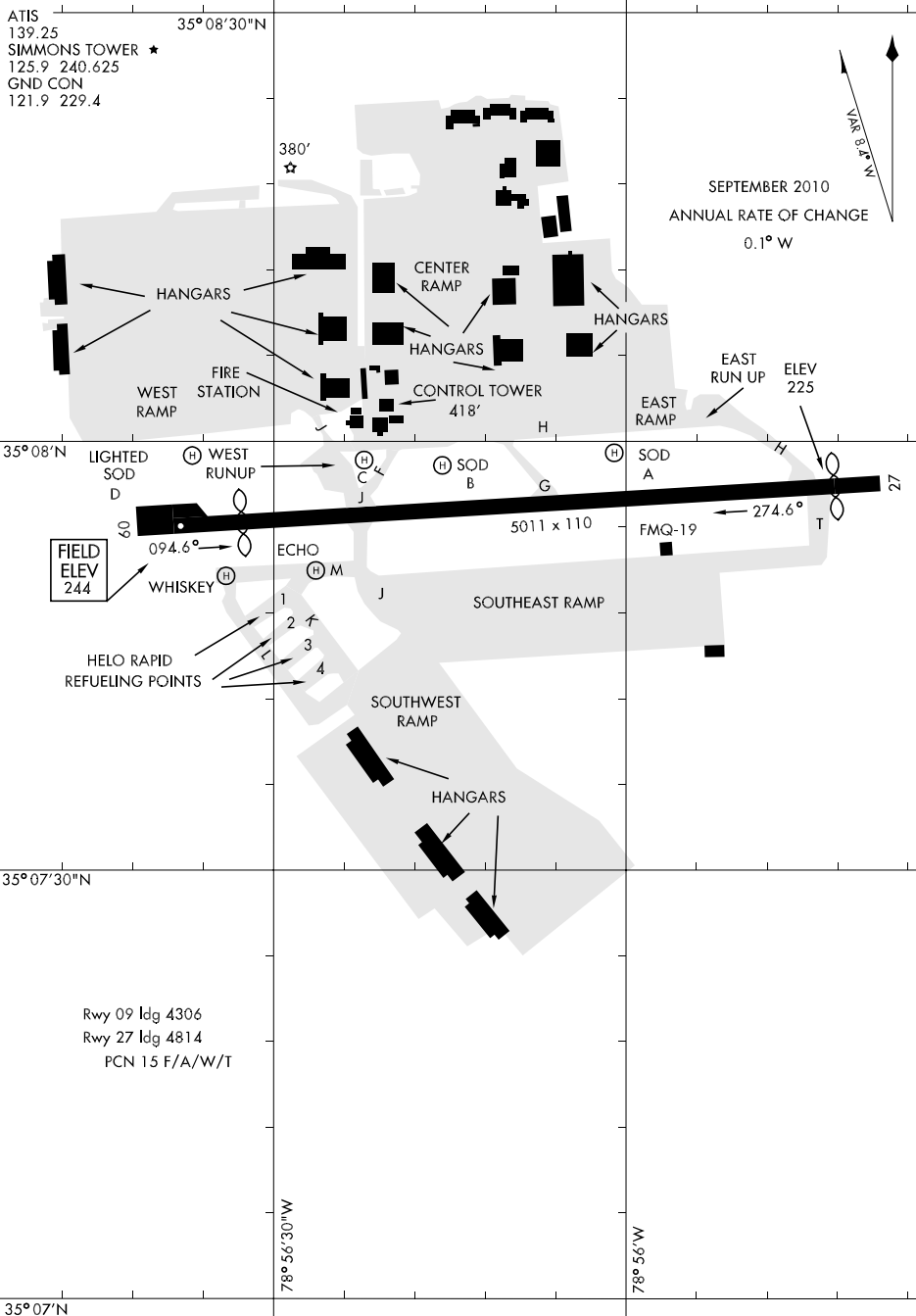
CATEGORY	A	B	C	D
S-23 *	680/24 481 (500-½)		680/40 481 (500-¾)	680/50 481 (500-1)
CIRCLING **	680-1 463 (500-1)		680-1½ 463 (500-½)	860-2 643 (700-2)



AIRPORT DIAGRAM

AFD-5069 [USA]

FORT BRAGG, NORTH CAROLINA



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

AIRPORT DIAGRAM

FORT BRAGG, NORTH CAROLINA

SIMMONS AAF (KFBG)

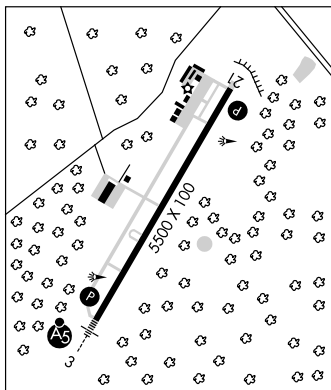
SIMMONS AAF (FORT BRAGG) (FBG)(KFBG) A 1 E UTC-5(-4DT) N35°07.92' W78°56.17' **CHARLOTTE**
 244 B TPA—See Remarks NOTAM FILE FBG Not insp. H-9C, 12H, L-35A, 36F
RWY 09-27: H5011X110 (ASPH) PCN 20 F/A/W/T MIRL DIAP, AD
RWY 09: Thld dsplcd 705'.
RWY 27: REIL. PAPI(P2L)—GA 2.9° TCH 39'. Thld dsplcd 197'.
MILITARY SERVICE: FUEL J8 24hr PPR for cold fuel. Hot refuel hrs Mon-Fri 2100-0500Z‡.
MILITARY REMARKS: Opr Mon-Fri 1200-0400Z‡ Sat-Sun 1200-2000Z‡, CLOSED holidays. When twr and/or surface visibility is blo 4 SM the lesser value will be reported as prevailing. See FLIP AP/1 Flt Hazard and Supplementary Arpt Remark. **RSTD** 24 hr PPR for remain overnight and all civil acft, DSN 236-7804, C910-396-7804. No Haz Cargo area avbl. **CAUTION** Bird hazard. Arpt perimeter lgt may cause pilot distraction. **TFC PAT** TPA—Fixed-wing 1250(1006), rotary-wing 1000(756). **MISC** Pilots notify Simmons OPS 20 minutes out with Code 6 or abv on board. All acft ctc GND CON prior to engine start. All wheeled rotary-wing acft gnd taxi until reaching twy. No refuel avbl on VIP spots.
COMMUNICATIONS: ATIS 139.25
 Ⓡ **FAYETTEVILLE APP/DEP CON** 133.0 295.0
TOWER 125.9 240.625 (Mon 0510Z‡-Sat 0400Z‡, clsd holidays) **GND CON** 121.9 229.4 **CLNC DEL** 121.9 229.4
FLT ADVISORY 125.9 240.625 **PMSV METRO** 141.25 265.6 (Mon 0400Z‡-Sat 0400Z‡, clsd holidays. Full svc during opr hr, other times remote briefing from 26 OWS Barksdale AFB, LA, DSN 781-4775, C318-456-4775.
BASE OPS 142.35 245.5
AIRSPACE: CLASS D svc Mon 0510Z‡-Sat 0400Z‡, clsd holidays, other times CLASS G.
RADIO AIDS TO NAVIGATION: NOTAM FILE FAY.
FAYETTEVILLE (L) VOR/DME 108.8 FAY Chan 25 N34°59.13' W78°56.38' 273° 6.1 NM to fld. 179/04W.
FORT BRAGG NDB (MHW) 393 FGP N35°08.33' W78°48.75' 275° 6.1 NM to fld. NOTAM FILE FBG.
 Unmonitored Mon-Fri 0400-1200Z‡, Sat-Sun and holidays 2000-1200Z‡. No NOTAM MP 1st Mon 1300-1330Z‡.
ASR/PAR Mon-Fri 1200-0400Z‡, clsd holidays)
COMM/NAV/WEATHER REMARKS: Radar see Terminal FLIP for Radar Minima.

SKY MANOR (See JACKSONVILLE)

SLAMMER N36°22.90' W79°45.77' NOTAM FILE RDU. **CINCINNATI**
NDB (MHW) 423 SIF 315° 5.4 NM to Rockingham Co NC Shiloh. NDB unmonitored. L-26J, 36F

SMITHFIELD

JOHNSTON CO (JNX) 3 NW UTC-5(-4DT) N35°32.46' W78°23.42' **CHARLOTTE**
 164 B S4 **FUEL** 100LL, JET A1+ TPA—1199(1035) NOTAM FILE JNX H-9C, 12H, L-35B, 36F
RWY 03-21: H5500X100 (ASPH) S-65, D-65 MIRL 0.3% up NE IAP
RWY 03: MALSR. PAPI(P4L)—GA 3.0° TCH 45'. Trees.
RWY 21: REIL. PAPI(P4L)—GA 4.0° TCH 49'. Trees.
AIRPORT REMARKS: Attended Mon-Fri 1200-0000Z‡, Sat and Sun 1300-2300Z‡. Unattended Thanksgiving and Christmas day. Deer on and in/ov arpt. Be alert when taxiing near south ramp/corporate hangar. Rwy 03-21 30' dropoff 350' from Rwy 21 thld to left and right of centerline. 50' AGL twr 200' SW of Rwy 03 centerline. Avoid overflights of housing area in tfc pattern for noise abatement. Fly wider down winds and longer dep legs. Between 0130-1100Z‡ ACTIVATE MIRL Rwy 03-21, MALSR Rwy 03, REIL Rwy 21, PAPI Rwy 03 and Rwy 21, and twy lghts—CTAF.
WEATHER DATA SOURCES: AWOS-3 120.225 (919) 934-3851.
COMMUNICATIONS: CTAF/UNICOM 122.8
 Ⓡ **RALEIGH APP/DEP** 125.3
GCO 135.075 (RALEIGH CLNC and FLIGHT SERVICES)
RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.
RALEIGH/DURHAM (H) VORTACW 117.2 RDU Chan 119 N35°52.35' W78°47.00' 140° 27.6 NM to fld. 429/04W.
JURLY NDB (MHW/LOM) 263 JN N35°28.50' W78°25.52' 032° 4.3 NM to fld. NOTAM FILE JNX. NDB unmonitored 2200-1300Z‡. NDB unusable byd 15 NM.
ILS/DME 111.15 I-JNX Chan 48(Y) Rwy 03. Class IB. LOM JURLY NDB. JURLY (JN) NDB unmonitored 2200-1300Z‡. ILS GS/LOC unmonitored 2200-1300Z‡. DME unmonitored. JURLY(JN) NDB unusable byd 15 NM. OM OTS indef.



SMITH REYNOLDS (See WINSTON SALEM)

APCH CRS 093°	Rwy Idg 4306 TDZE 241 Arpt Elev 244
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AL-5069 [USA]

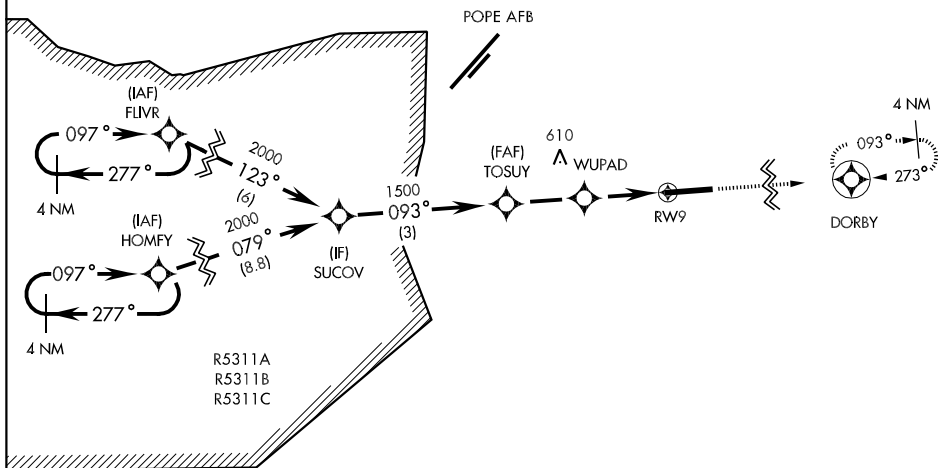
SIMMONS AAF (KFBG)

When local altimeter setting not received, use Pope AFB altimeter setting.
DME/DME RNP-0.3 NA.

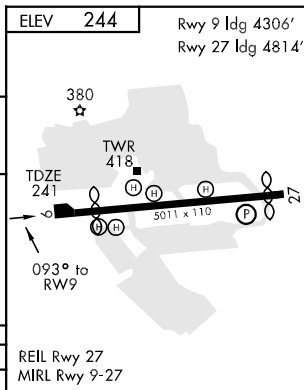
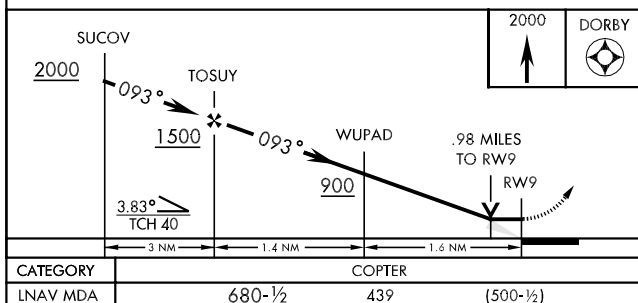
MISSED APPROACH: Climb to 2000 direct DORBY and hold.

ATIS 139.25	FAYETVILLE APP CON 133.0 295.0	SIMMONS TOWER 125.9 240.625	GND CON 121.9 229.4	PAR
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Limit final and missed approach airspeed to 90 KIAS



RADAR REQUIRED



NDB FGP 393	APCH CRS 273°	Rwy Idg TDZE 228 Arpt Elev 244
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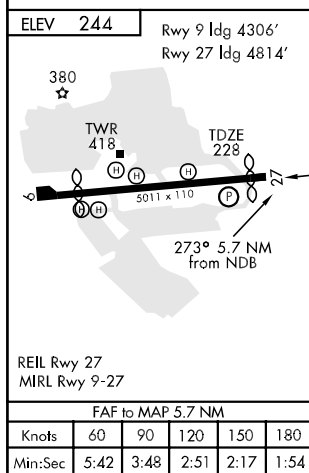
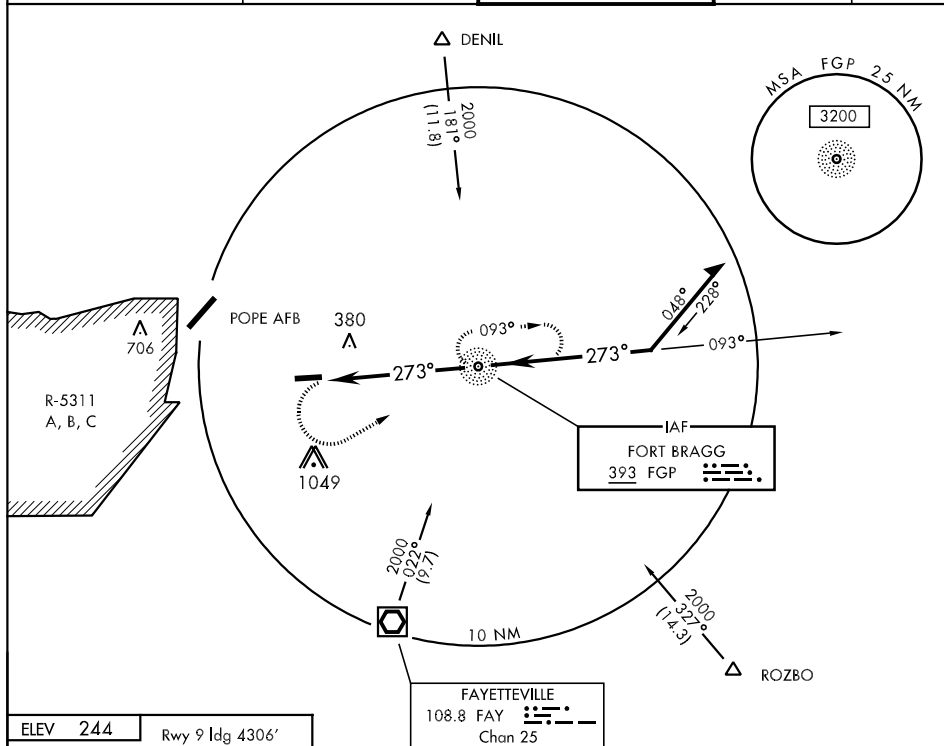
AL-5069 [USA]

SIMMONS AAF (KFBG)

▼ When local altimeter setting not received, use Pope AFB altimeter setting.

MISSED APPROACH: Climb to 1400 then climbing left turn to 2100 direct FGP NDB and hold.

ATIS 139.25	FAYETTEVILLE APP CON 133.0 295.0	SIMMONS TOWER ★ 125.9 240.625	GND CON 121.9 229.4	PAR
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1400	2100	FGP	NDB	093°	Remain within 10 NM	2000
↑	↖	⊙	✕	← 273°		
			↗ 273°			
			≤ 2.87°			
			TCH 36			
			5.7 NM			
CATEGORY	A	B	C	D		
S-27	640-1 412 (400-1)		640-1¼ 412 (400-1¼)	NA		
CIRCLING	780-1 536 (600-1)		780-1½ 536 (600½)	NA		

FORT BRAGG (See SIMMONS AAF)

FRANKLIN
MACON CO (1A5) 3 NW UTC-5(-4DT) N35°13.36' W83°25.14'

2020 B S4 FUEL 100LL, JET A1+ TPA-2800(780) NOTAM FILE RDU

RWY 07-25: H4400X75 (ASPH) S-30 MIRL

RWY 07: Trees.

RWY 25: Brush. Rgt tfc.

AIRPORT REMARKS: Attended 1300Z±-dusk. Rapidly rising terrain all quadrants. Rwy 07-25 has severe cracks and vegetation through cracks and joints. Rwy 25 has a 15 ft drop off 350 ft from thld left and right. MIRL Rwy 07-25 on dusk-dawn to incr ints—CTAF. Arpt bcn located 3/4 mile SE of arpt.

WEATHER DATA SOURCES: AWOS-3 118.225 (828) 349-3156.

COMMUNICATIONS: CTAF/UNICOM 123.05

ATLANTA CENTER APP/DEP CON 134.8

RADIO AIDS TO NAVIGATION: NOTAM FILE MCN.

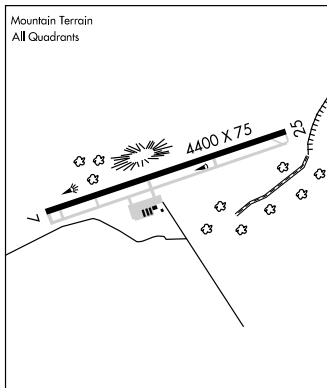
HARRIS (L) VORTACW 109.8 HRS Chan 35 N34°56.58'

W83°54.94' 055° 29.6 NM to fld. 3660/00E. HIWAS.

ATLANTA

L-25B

IAP


GASTONIA MUNI (AKH) 4 S UTC-5(-4DT) N35°12.16' W81°08.99'

798 B S4 FUEL 100LL, JET A1 NOTAM FILE AKH

RWY 03-21: H3770X100 (ASPH) S-24 MIRL 0.4% up SW

RWY 03: ODALS. PAPI(P2R)—GA 3.0°TCH 26'. Road.

RWY 21: PAPI(P2L)—GA 3.0°TCH 31'. Thld dsplcd 90'. Trees.

AIRPORT REMARKS: Attended Mon-Sat 1300-2200Z±, Sun 1600-2200Z±. CLOSED Christmas Day. For svc after hrs call 704-460-5619. Deer on and invof arpt. Parallel twy unlgtd. Noise abatement: from 0300-1100Z± pilots are requested to use Rwy 21 as calm wind dep rwy and do runups on ramp; not rwy end. To avoid low altitude turns to the W req clnc thru CLASS B airspace from Charlotte apch. Rwy 03 has 25' p-line 400' from thld left and right of centerline. 15' road 292' from thld left and right of centerline. 50' drop-off 124' from dsplcd thld left and right of centerline. ACTIVATE MIRL Rwy 03-21, ODALS Rwy 03 and PAPI Rwy 03 and PAPI Rwy 21—CTAF.

WEATHER DATA SOURCES: ASOS 135.725 (704) 868-9034.

COMMUNICATIONS: CTAF/UNICOM 123.0

® CHARLOTTE APP/DEP CON 134.75 CLNC DEL 127.2

RADIO AIDS TO NAVIGATION: NOTAM FILE CLT.

CHARLOTTE (L) VORW/DME 115.0 CLT Chan 97 N35°11.42'

W80°57.11' 279° 9.8 NM to fld. 732/05W. HIWAS.

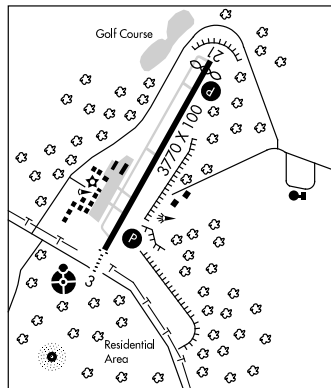
STONIA NDB (MHW) 260 GHJ N35°11.48' W81°09.43' at fld. NOTAM FILE RDU.

COMM/NAV/WEATHER REMARKS: NDB unmonitored 2330-1130Z during standard time, 2330-1030Z during daylight savings time. Clnc Del freq 127.2 OTS indef.

CHARLOTTE

L-25D, 36E

IAP



APP CRS 340°	Rwy Idg TDZE Apt Elev	N/A N/A 2020
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RNAV (GPS)-A

FRANKLIN/MACON COUNTY (1A5)

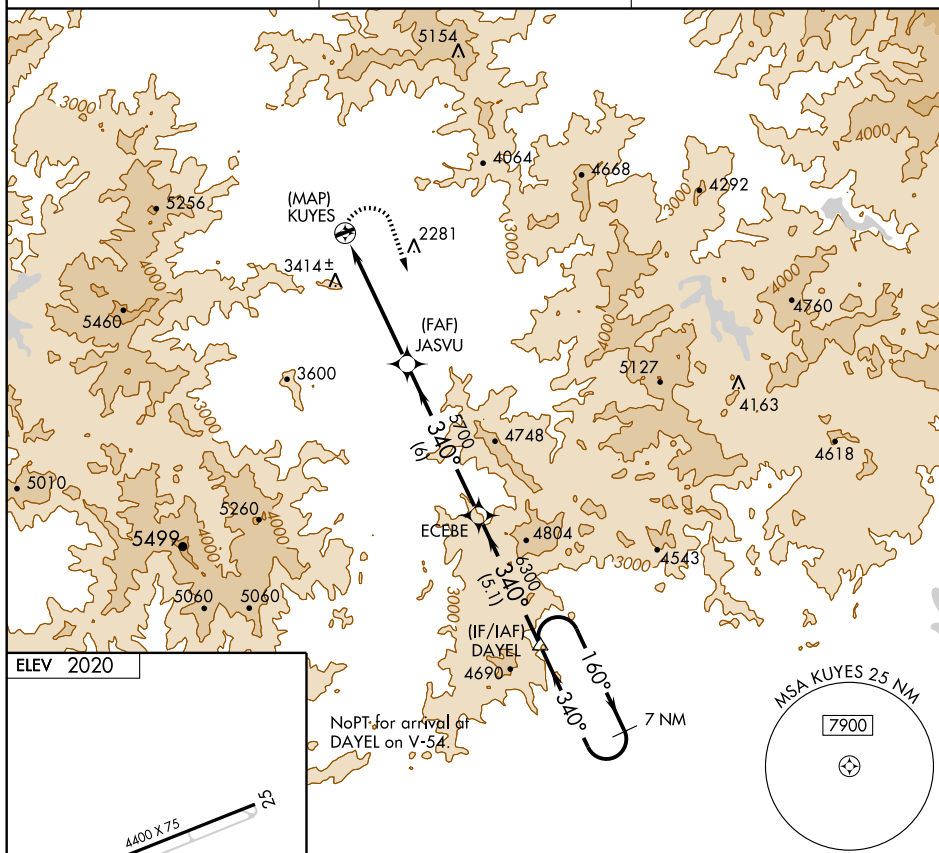
When local altimeter setting not received, Procedure NA.
DME/DME RNP-0.3 NA.
Procedure NA at night.

MISSED APPROACH: Climbing right
turn to 7000 direct DAYEL and hold.

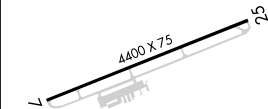
AWOS-3
118.225

ATLANTA CENTER
134.8 307.9

UNICOM
123.05 (CTAF) ①



ELEV 2020



MIRL RWY 7-25 ①

FRANKLIN, NORTH CAROLINA

Orig 09099

35°13'N-83°25'W

FRANKLIN/MACON COUNTY (1A5)

RNAV (GPS)-A

SE-2, 21 OCT 2010 to 18 NOV 2010

7000	DAYEL	7 NM	DAYEL	7 NM	Holding Pattern
	△				
	KUYES	JASVU	ECEBE	DAYEL	
		5700	6300	7000	
	5.2 NM	6 NM	5.1 NM		
CATEGORY	A	B	C	D	
CIRCLING	3620-1¼ 1600 (1600-1¼)	3620-1½ 1600 (1600-1½)	3760-3 1740 (1800-3)	NA	

FORT BRAGG (See SIMMONS AAF)

FRANKLIN
MACON CO (1A5) 3 NW UTC-5(-4DT) N35°13.36' W83°25.14'

2020 B S4 FUEL 100LL, JET A1+ TPA-2800(780) NOTAM FILE RDU

RWY 07-25: H4400X75 (ASPH) S-30 MIRL

RWY 07: Trees.

RWY 25: Brush. Rgt tfc.

AIRPORT REMARKS: Attended 1300Z±-dusk. Rapidly rising terrain all quadrants. Rwy 07-25 has severe cracks and vegetation through cracks and joints. Rwy 25 has a 15 ft drop off 350 ft from thld left and right. MIRL Rwy 07-25 on dusk-dawn to incr ints—CTAF. Arpt bcn located 3/4 mile SE of arpt.

WEATHER DATA SOURCES: AWOS-3 118.225 (828) 349-3156.

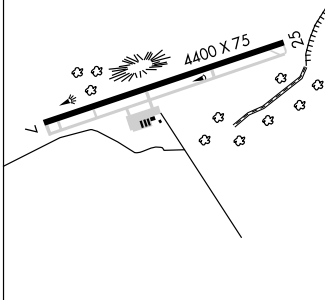
COMMUNICATIONS: CTAF/UNICOM 123.05

ATLANTA CENTER APP/DEP CON 134.8

RADIO AIDS TO NAVIGATION: NOTAM FILE MCN.

HARRIS (L) VORTACW 109.8 HRS Chan 35 N34°56.58'

W83°54.94' 055° 29.6 NM to fld. 3660/00E. HIWAS.

 Mountain Terrain
All Quadrants

GASTONIA MUNI (AKH) 4 S UTC-5(-4DT) N35°12.16' W81°08.99'

798 B S4 FUEL 100LL, JET A1 NOTAM FILE AKH

RWY 03-21: H3770X100 (ASPH) S-24 MIRL 0.4% up SW

RWY 03: ODALS. PAPI(P2R)—GA 3.0°TCH 26'. Road.

RWY 21: PAPI(P2L)—GA 3.0°TCH 31'. Thld dsplcd 90'. Trees.

AIRPORT REMARKS: Attended Mon-Sat 1300-2200Z±, Sun 1600-2200Z±. CLOSED Christmas Day. For svc after hrs call 704-460-5619. Deer on and invof arpt. Parallel twy unlgtd. Noise abatement: from 0300-1100Z± pilots are requested to use Rwy 21 as calm wind dep rwy and do runups on ramp; not rwy end. To avoid low altitude turns to the W req clnc thru CLASS B airspace from Charlotte apch. Rwy 03 has 25' p-line 400' from thld left and right of centerline. 15' road 292' from thld left and right of centerline. 50' drop-off 124' from dsplcd thld left and right of centerline. ACTIVATE MIRL Rwy 03-21, ODALS Rwy 03 and PAPI Rwy 03 and PAPI Rwy 21—CTAF.

WEATHER DATA SOURCES: ASOS 135.725 (704) 868-9034.

COMMUNICATIONS: CTAF/UNICOM 123.0

Ⓡ CHARLOTTE APP/DEP CON 134.75 CLNC DEL 127.2

RADIO AIDS TO NAVIGATION: NOTAM FILE CLT.

CHARLOTTE (L) VORW/DME 115.0 CLT Chan 97 N35°11.42'

W80°57.11' 279° 9.8 NM to fld. 732/05W. HIWAS.

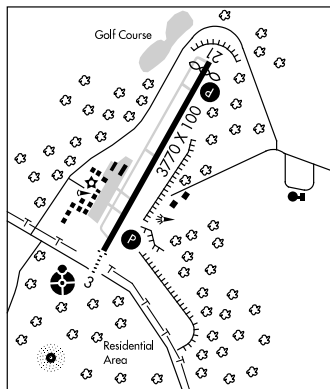
STONIA NDB (MHW) 260 GHJ N35°11.48' W81°09.43' at fld. NOTAM FILE RDU.

COMM/NAV/WEATHER REMARKS: NDB unmonitored 2330-1130Z during standard time, 2330-1030Z during daylight savings time. Clnc Del freq 127.2 OTS indef.

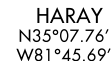
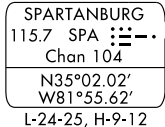
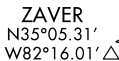
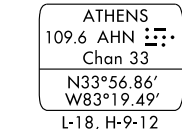
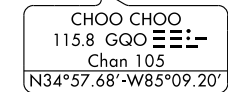
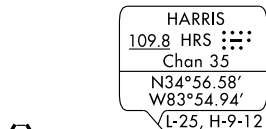
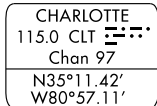
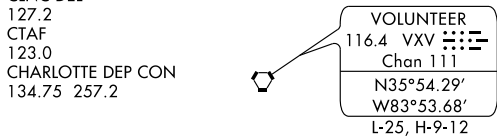
CHARLOTTE

L-25D, 36E

IAP



ASOS
135.725
CLNC DEL
127.2
CTAF
123.0
CHARLOTTE DEP CON
134.75 257.2



NOTE: For Turbojets only.
NOTE: Radar and DME required.
NOTE: Transponder code will be issued via Charlotte Clearance Delivery.
NOTE: Do not exceed 280 KIAS until advised by ATC.

TAKEOFF MINIMUMS:
Rwys 3, 21: Standard.

TAKEOFF OBSTACLE NOTES:

- Rwy 3: Trees beginning 1200' from DER, 433' left of centerline, up to 80' AGL/859' MSL.
Trees beginning 162' from DER, 371' right of centerline, up to 136' AGL/885' MSL.
Rwy 21: Antenna and trees beginning 269' from DER, 210' left of centerline, up to 101' AGL/880' MSL.
Trees beginning 252' from DER, 264' right of centerline, up to 113' AGL/882' MSL.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb heading 034°. Thence....

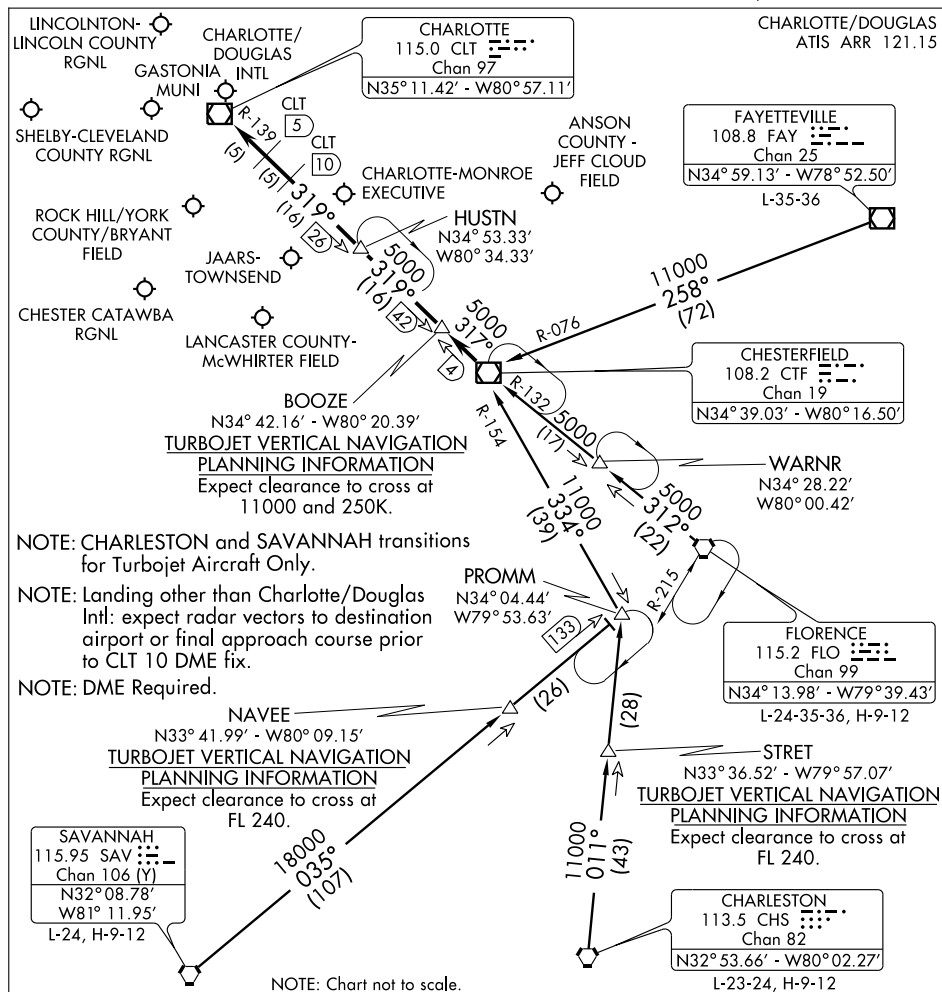
TAKEOFF RUNWAY 21: Climb heading 214°. Thence....

....Expect radar vectors to intercept filed/assigned transition or enroute fix/navaid. Maintain 3400, expect filed altitude/flight level 10 minutes after departure.

- DEBIE TRANSITION (BOB4.DEBIE): From over CLT VOR/DME via CLT R-255 to DEBIE.
HARAY TRANSITION (BOB4.HARAY): From over CLT VOR/DME via CLT R-270 to HARAY.
ZAVR TRANSITION (BOB4.ZAVR): From over CLT VOR/DME via CLT R-270 to ZAVR.

CHESTERFIELD THREE ARRIVAL

CHARLOTTE, NORTH CAROLINA



CHARLESTON TRANSITION (CHS.CTF3): From over CHS VORTAC via CHS R-011 to PROMM INT then via CTF R-154 to CTF VOR/DME. Thence....

FAYETTEVILLE TRANSITION (FAY.CTF3): From over FAY VOR/DME via FAY R-258 and CTF R-076 to CTF VOR/DME. Thence....

FLORENCE TRANSITION (FLO.CTF3): From over FLO VORTAC via FLO R-312 and CTF R-132 to CTF VOR/DME. Thence....

SAVANNAH TRANSITION (SAV.CTF3): From over SAV VORTAC via SAV R-035 to PROMM INT then via CTF R-154 to CTF VOR/DME. Thence....

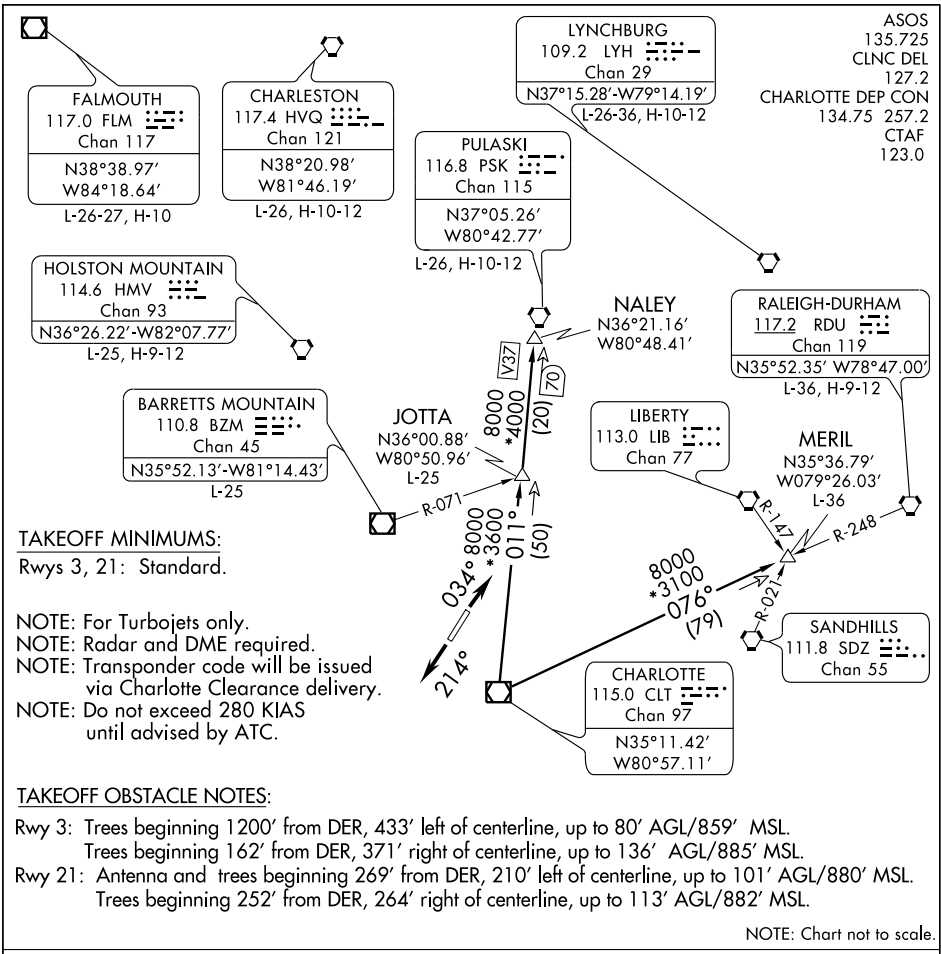
... From over CTF VOR/DME via CTF R-317 to BOOZE, then via CLT R-139 to:

(LANDING NORTH) HUSTN INT: Expect radar vectors to final approach course.

(LANDING SOUTH) CLT VOR/DME: Expect radar vectors to final approach course prior to CLT 5 DME fix.

CHESTERFIELD THREE ARRIVAL

CHARLOTTE, NORTH CAROLINA



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb heading 034°. Thence....

TAKEOFF RUNWAY 21: Climb heading 214°. Thence....

....Expect radar vectors to intercept filed/assigned transition or enroute fix/navaid.
Maintain 3400, expect filed altitude/flight level 10 minutes after departure.

JOTTA TRANSITION (HOR6.JOTTA): From over CLT VOR/DME via CLT R-011 to JOTTA.
MERIL TRANSITION (HOR6.MERIL): From over CLT VOR/DME via CLT R-076 to MERIL.
NALEY TRANSITION (HOR6.NALEY): From over CLT VOR/DME via CLT R-011 to NALEY.

SE-2. 21 OCT 2010 to 18 NOV 2010



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb heading 034°. Thence....
TAKEOFF RUNWAY 21: Climb heading 214°. Thence....

....Expect radar vectors to intercept filed/assigned transition or enroute fix/navaid.
Maintain 3400, expect filed altitude/flight level 10 minutes after departure.

- ANDYS TRANSITION (HUG1.ANDYS): From over CLT VOR/DME via CLT R-196 to ANDYS.
CHOPN TRANSITION (HUG1.CHOPN): From over CLT VOR/DME via CLT R-165 to CHOPN.
DEBIE TRANSITION (HUG1.DEBIE): From over CLT VOR/DME via CLT R-255 to DEBIE.
GIPPR TRANSITION (HUG1.GIPPR): From over CLT VOR/DME via CLT R-093 to GIPPR.
PITTY TRANSITION (HUG1.PITTY): From over CLT VOR/DME via CLT R-286 to PITTY.
ROBAY TRANSITION (HUG1.ROBAY): From over CLT VOR/DME via CLT R-347 to ROBAY.
SADIE TRANSITION (HUG1.SADIE): From over CLT VOR/DME via CLT R-347 to SADIE.

TAKEOFF OBSTACLE NOTES:

- Rwy 3: Trees beginning 1200' from DER, 433' left of centerline, up to 80' AGL/859' MSL.
Trees beginning 162' from DER, 371' right of centerline, up to 136' AGL/885' MSL.
Rwy 21: Antenna and trees beginning 269' from DER, 210' left of centerline, up to 101' AGL/880' MSL.
Trees beginning 252' from DER, 264' right of centerline, up to 113' AGL/882' MSL.

MAJIC ONE ARRIVAL

CHARLOTTE, NORTH CAROLINA

CHARLOTTE/DOUGLAS
ATIS ARR 121.15
CHARLOTTE APP CON
(001° -119°) **128.32**
(120° -245°) **120.05**
(246° -360°) **134.75**
(180° -359°) **257.2**
(360° -179°) **307.8**

ROANOKE
109.4 ROA
Chan 31
N37°20.61' - W80°04.23'
L-26, H-10-12

MAYOS
N36°19.59' - W79°59.79'
TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
Expect to cross at FL220.

MAJIC
N35°48.71' - W80°26.17'
TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
Expect to cross at 13,000'/250K.

LYNCHBURG
109.2 LYH
Chan 29
N37°15.28' - W79°14.19'
L-26-36, H-10-12

KELLS
N36°35.17' - W79°47.17'

RALEIGH/DURHAM
117.2 RDU
Chan 119
N35°52.35' - W78°47.00'
L-36, H-9-12

SUDSY
N35°44.58' - W80°29.63'

LINCOLNTON-LINCOLN COUNTY
RGNL

SHELBY-CLEVELAND
COUNTY RGNL

GASTONIA
MUNI

ROCK HILL/YORK
COUNTY/BRYANT
FIELD

CHESTER CATAWBA
RGNL

NOTE: Chart not to scale.

CLT
10

CHARLOTTE
DOUGLAS
INTL

CLT
5

CHARLOTTE
115.0 CLT
Chan 97
N35°11.42' - W80°57.11'

CHARLOTTE-MONROE
EXECUTIVE

JAARS-TOWNSEND

LANCASTER COUNTY-
McWHIRTER FIELD

GIZMO
N35°32.99' - W80°39.29'

ANSON COUNTY -
JEFF CLOUD
FIELD

LIBERTY
113.0 LIB
Chan 77
N35°48.70' - W79°36.76'

NOTE: DME required.
NOTE: RADAR required for LIB R-273.
NOTE: Landing other than Charlotte/
Douglas Intl; expect radar
vectors to destination airport
or final approach course prior
to CLT 10 DME fix.

LIBERTY TRANSITION (LIB.MAJIC1): From over LIB VORTAC via LIB R-273
to MAJIC INT. Thence. . .

LYNCHBURG TRANSITION (LYH.MAJIC1): From over LYH VORTAC via LYH R-219
and CLT R-039 to MAJIC INT. Thence. . .

ROANOKE TRANSITION (ROA.MAJIC1): From over ROA VORTAC via ROA R-181
and CLT R-039 to MAJIC INT. Thence. . .

. . . .From over MAJIC via CLT R-039 to:

LANDING NORTH: CLT VOR/DME. Expect radar vectors to final approach course prior
to the CLT 5 DME fix.

LANDING SOUTH: GIZMO. Expect radar vectors to final approach course.

MAJIC ONE ARRIVAL

CHARLOTTE, NORTH CAROLINA

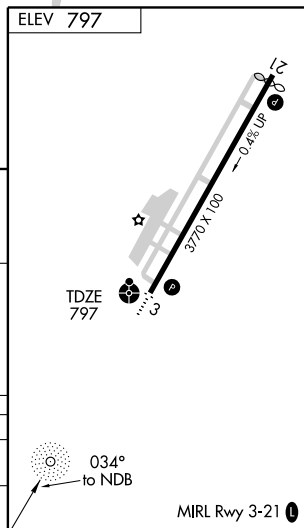
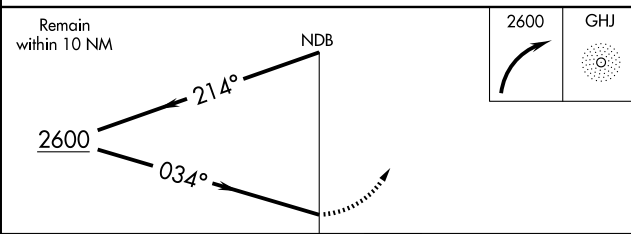
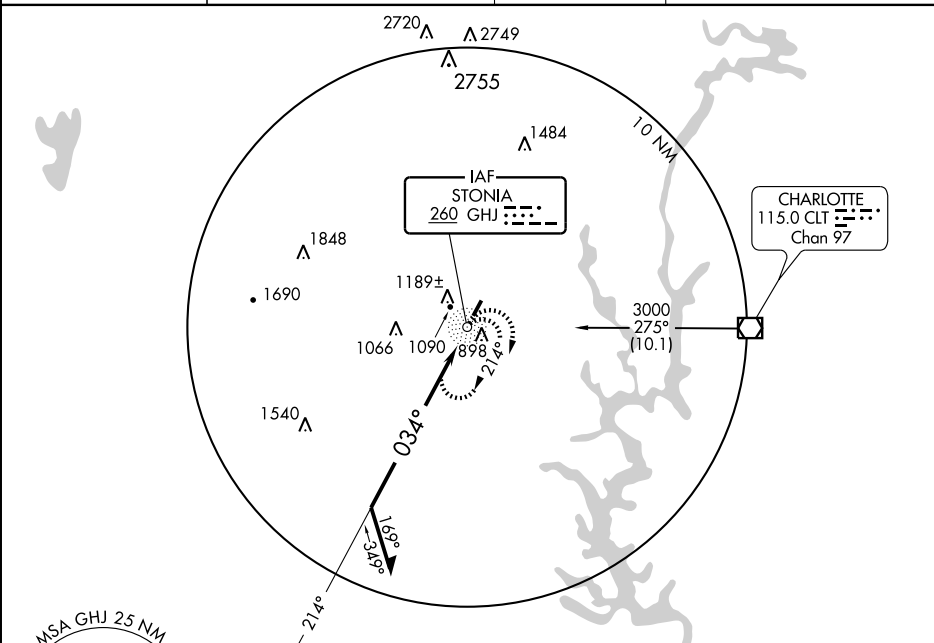
NDB GHJ 260	APP CRS 034°	Rwy Idg TDZE Apt Elev	3770 797 797
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NDB RWY 3

GASTONIA MUNI (AKH)

NA Inoperative table does not apply to Cats B and C.	ODALS	MISSED APPROACH: Climbing right turn to 2600 in GHJ NDB holding pattern.
--	-------	--

ASOS 135.725	CHARLOTTE APP CON 134.75 257.2	CLNC DEL 127.2	UNICOM 123.0 (CTAF) 1
------------------------	--	--------------------------	---------------------------------



CATEGORY	A	B	C	D
S-3	1540-3/4 743 (800-3/4)	1540-1 1/4 743 (800-1 1/4)	1540-2 1/4 743 (800-2 1/4)	NA
CIRCLING	1540-1 743 (800-1)	1540-1 1/4 743 (800-1 1/4)	1540-2 1/4 743 (800-2 1/4)	NA

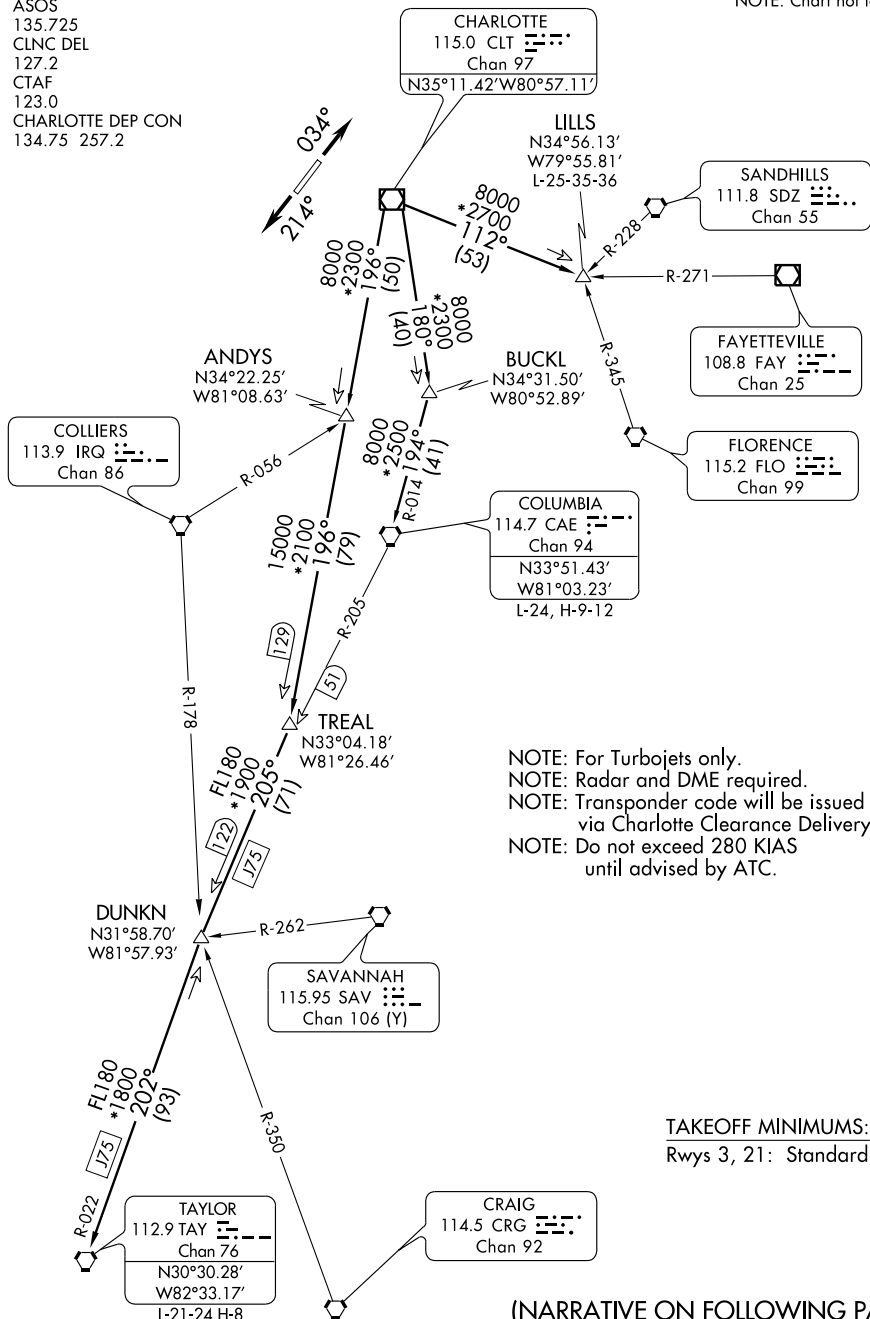
PANTHER ONE DEPARTURE

SL-6081 (FAA)

GASTONIA MUNI (AKH)
GASTONIA, NORTH CAROLINA

NOTE: Chart not to scale.

ASOS
135.725
CLNC DEL
127.2
CTAF
123.0
CHARLOTTE DEP CON
134.75 257.2



NOTE: For Turbojets only.
NOTE: Radar and DME required.
NOTE: Transponder code will be issued
via Charlotte Clearance Delivery..
NOTE: Do not exceed 280 KIAS
until advised by ATC.

TAKEOFF MINIMUMS:
Rwys 3, 21: Standard.

(NARRATIVE ON FOLLOWING PAGE)

PANTHER ONE DEPARTURE

GASTONIA, NORTH CAROLINA
GASTONIA MUNI (AKH)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 3: Climb heading 034°. Thence....

TAKEOFF RUNWAY 21: Climb heading 214°. Thence....

....Expect radar vectors to intercept filed/assigned transition or enroute fix/navaid.

Maintain 3400, expect filed altitude/flight level 10 minutes after departure.

ANDYS TRANSITION (PAN1.ANDYS): From over CLT VOR/DME via CLT R-196 to ANDYS.

COLUMBIA TRANSITION (PAN1.CAE): From over CLT VOR/DME via CLT R-180 to BUCKL and CAE R-014 to CAE VORTAC.

LILLS TRANSITION (PAN1.LILLS): From over CLT VOR/DME via CLT R-112 to LILLS.

TAYLOR TRANSITION (PAN1.TAY): From over CLT VOR/DME via CLT R-196 to TREAL, then via CAE R-205 to DUNKN and TAY R-022 to TAY VORTAC.

TAKEOFF OBSTACLE NOTES:

Rwy 3: Trees beginning 1200' from DER, 433' left of centerline, up to 80' AGL/859' MSL.

Trees beginning 162' from DER, 371' right of centerline, up to 136' AGL/885' MSL.

Rwy 21: Antenna and trees beginning 269' from DER, 210' left of centerline, up to 101' AGL/880' MSL.

Trees beginning 252' from DER, 264' right of centerline, up to 113' AGL/882' MSL.

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

WAAS CH 90302 W03A	APP CRS 034°	Rwy Idg TDZE Apt Elev	3770 798 798
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RNAV (GPS) RWY 3

GASTONIA MUNI (AKH)

▼ If local altimeter setting not received, use Charlotte Douglas Intl altimeter setting and increase all DAs/MDAs 40 feet.
Visibility reduction by helicopters NA. DME/DME RNP-0.3 NA.
Inoperative table does not apply.

ODALS



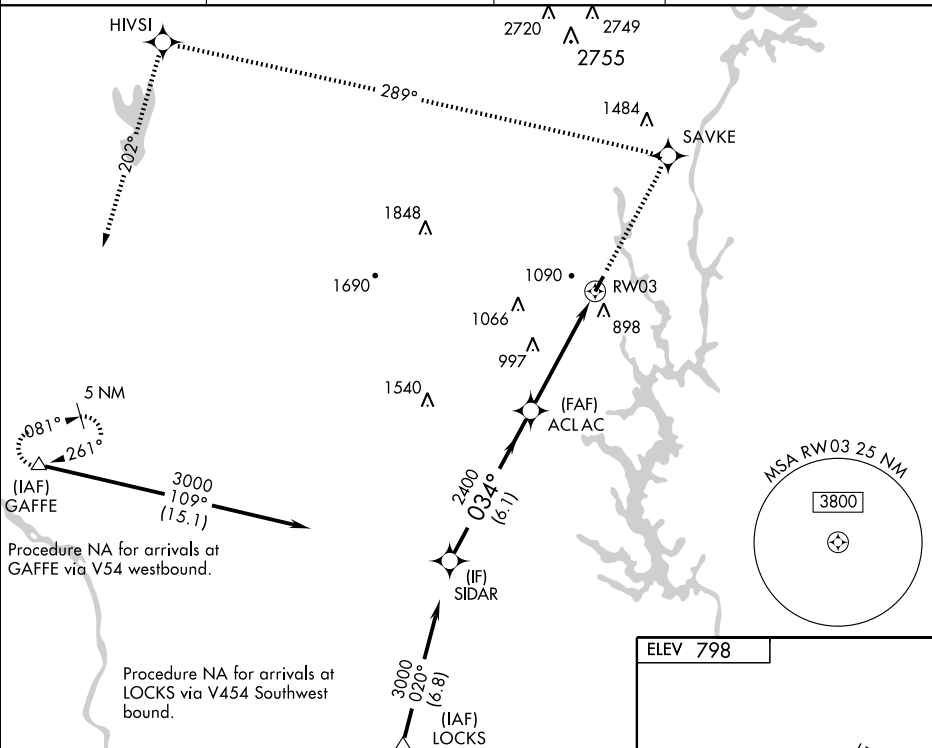
MISSED APPROACH: Climb to 3200 direct SAVKE and via 289° track to HIVSI and 202° track to GAFFE and hold.

ASOS
135.725

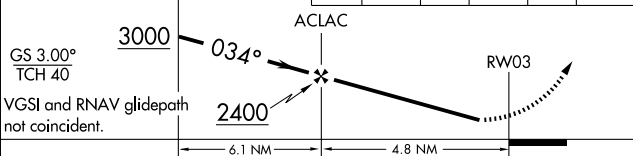
CHARLOTTE APP CON
134.75 257.2

CLNC DEL
127.2

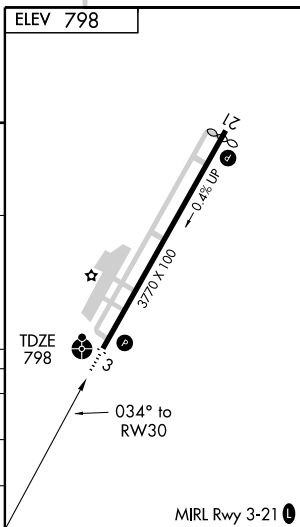
UNICOM
123.0 (CTAF) ①



Procedure Turn NA	3200	SAVKE	tr 289°	HIVSI	tr 202°	GAFFE
	↑	✦		✦		△



CATEGORY	A	B	C	D
LPV DA	1118-1¼	320 (400-1¼)		NA
LNAV MDA	1440-1 642 (700-1)	1440-1¾ 642 (700-1¾)		NA
CIRCLING	1500-1 702 (800-1)	1500-2 702 (800-2)		NA



WAAS
CH 50402
W21A

APP CRS
214°

Rwy Idg	3680
TDZE	798
Apt Elev	798

RNAV (GPS) RWY 21

GASTONIA MUNI (AKH)

T	If local altimeter setting not received, use Charlotte/Douglas
A	Intl altimeter setting and increase all DA/MDAs 40 feet.
	Visibility reduction by helicopters NA.
	DME/DME RNP-0.3 NA.

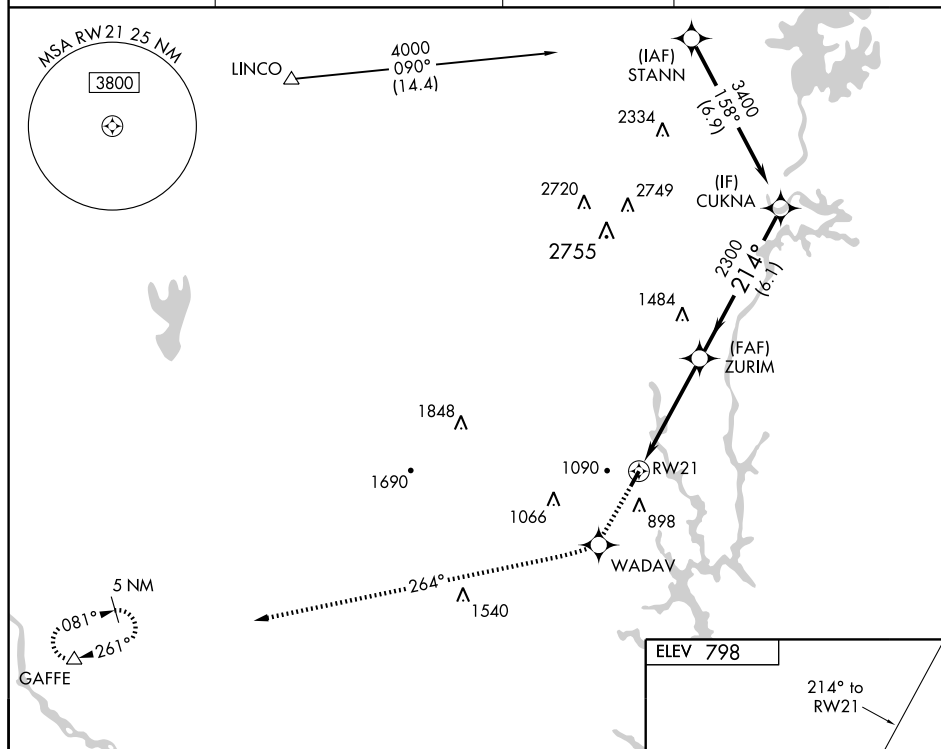
MISSED APPROACH: Climb to 3200 direct WADAV and via 264° track to GAFFE and hold.

ASOS
135.72

CHARLOTTE APP CON
134.75 257.2

CLNC DEL
127.2

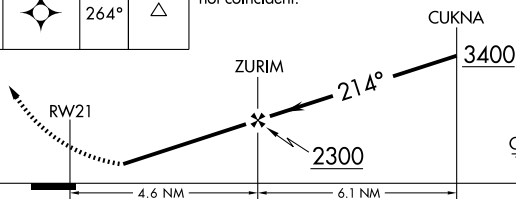
UNICOM
123.0 (CTAF)



3200	WADAV	tr 264°	GAFFE
			

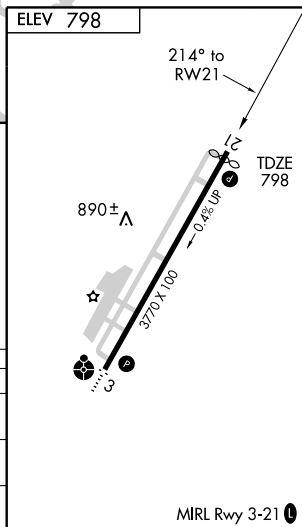
VGSI and RNAV glidepath
not coincident.

Procedure



GS 3.00°
TCH 40

	4.6 NM		6.1 NM		
CATEGORY	A		B	C	D
LPV DA	1111-1¼ 313 (400-1¼)				NA
LNAV MDA	1420-1 622 (700-1)			1420-1¾ 622 (700-1¾)	NA
CIRCLING	1500-1 702 (800-1)			1500-2 702 (800-2)	NA



GASTONIA, NORTH CAROLINA

Orig-A 10154

35°12'N-81°09'W

GASTONIA MUNI (AKH)

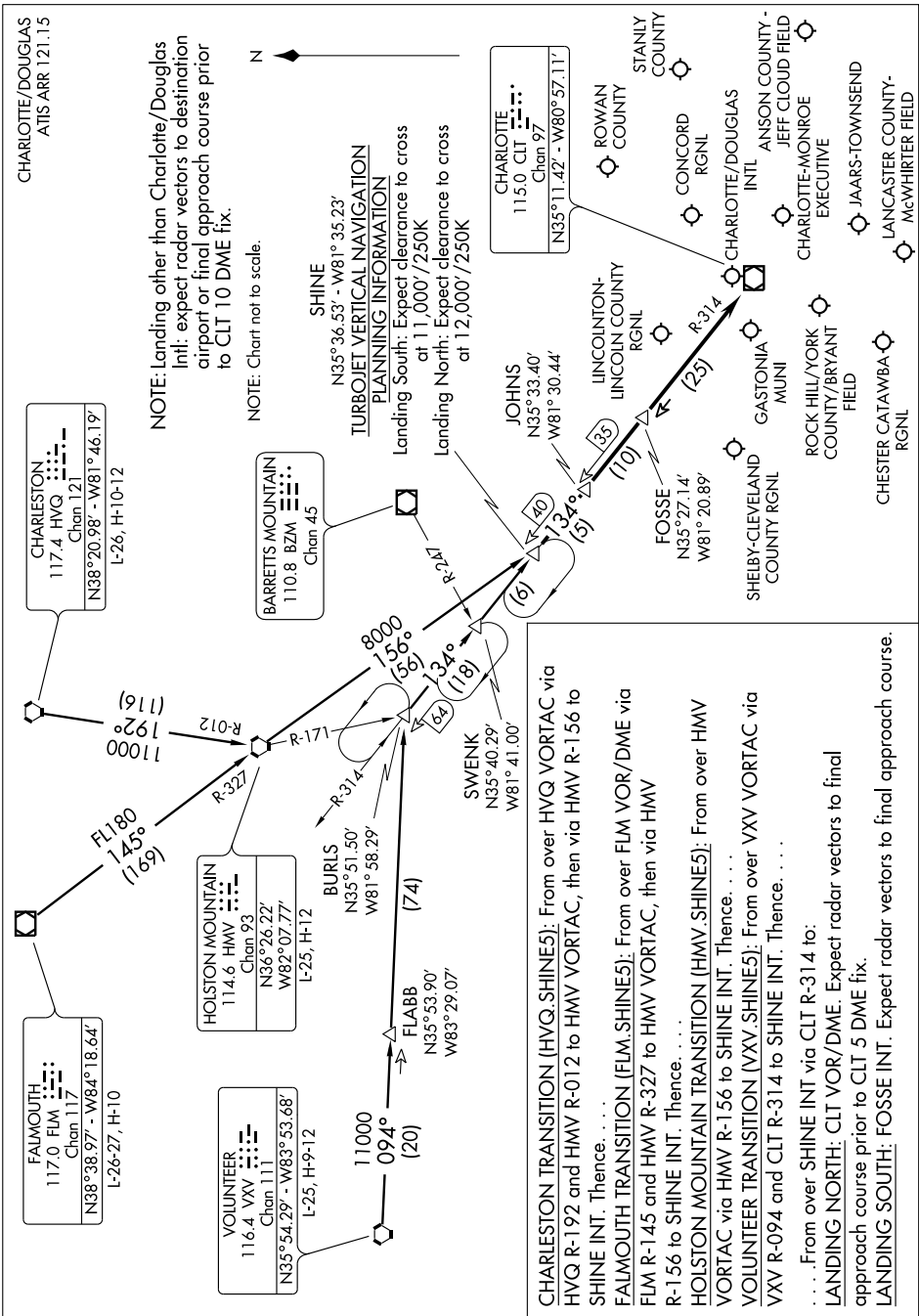
RNAV (GPS) RWY 21

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA



SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA

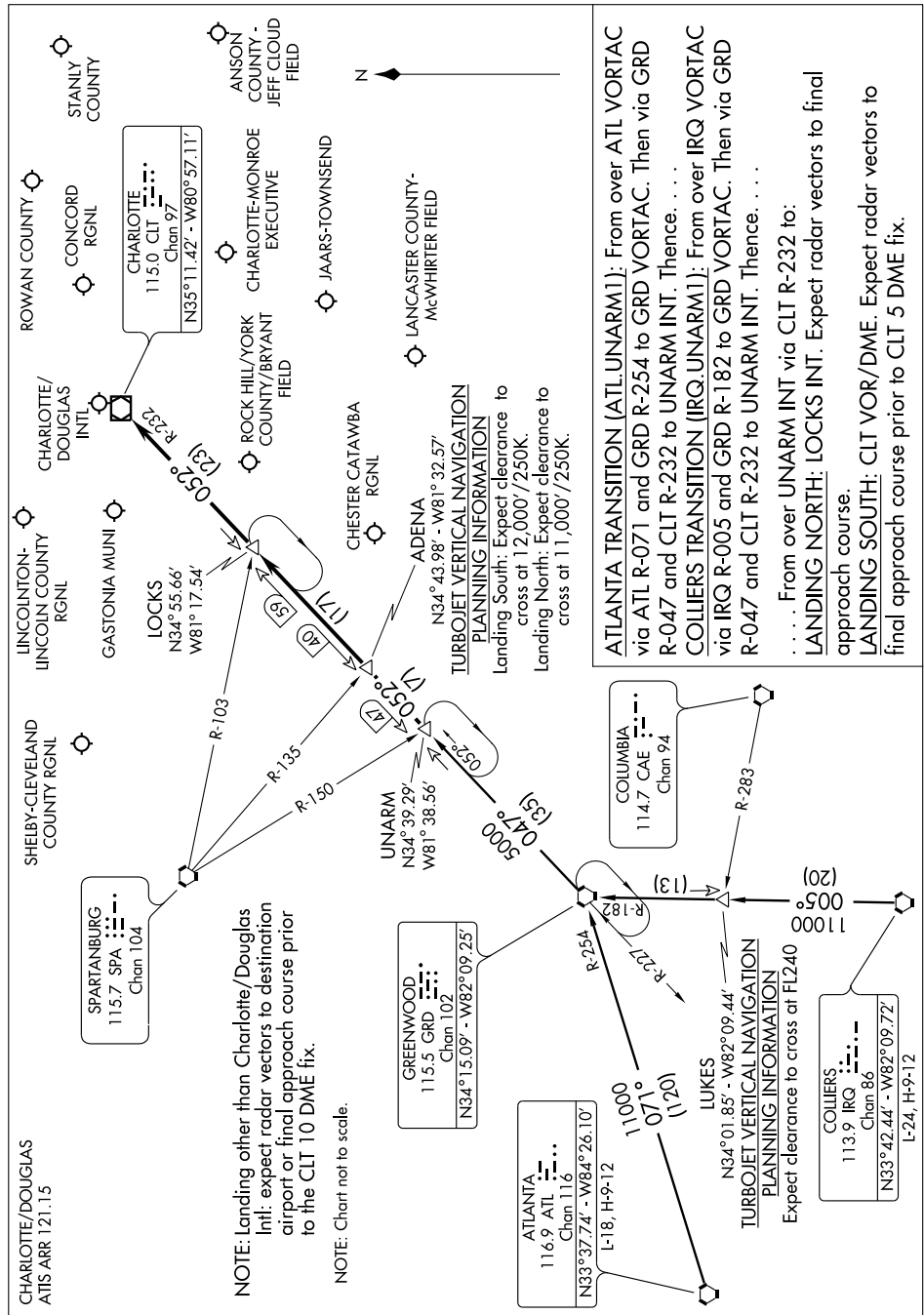
UNARM. UNARM1) 10266

UNARM ONE ARRIVAL

ST-78 (FAA)

CHARLOTTE, NORTH CAROLINA

SE-2, 21 OCT 2010 to 18 NOV 2010



SE-2, 21 OCT 2010 to 18 NOV 2010

UNARM ONE ARRIVAL

UNARM. UNARM1) 10266

CHARLOTTE, NORTH CAROLINA

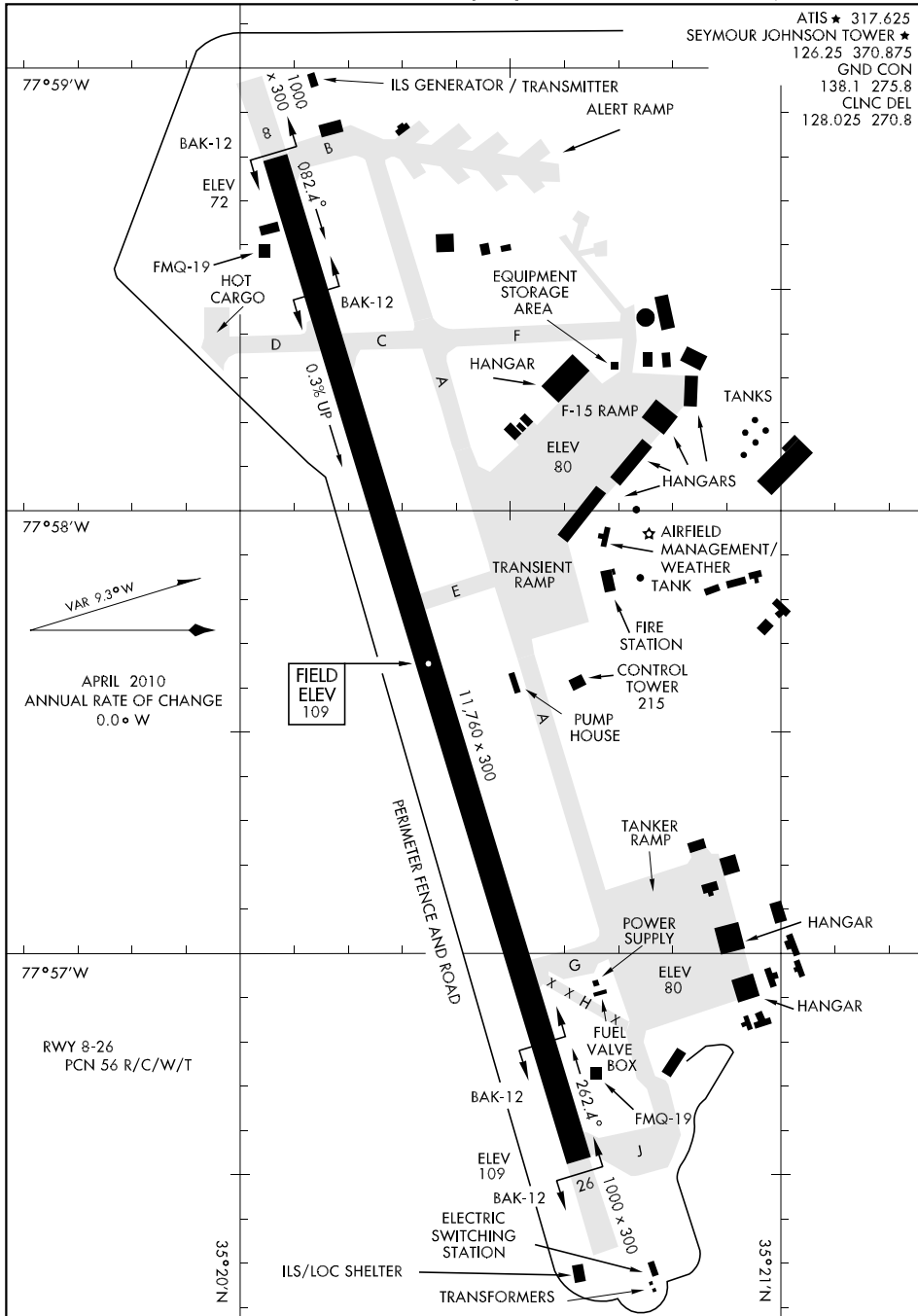
AIRPORT DIAGRAM

AFD-169 [USAF]

SEYMOUR JOHNSON AFB (KGSB)

GOLDSBORO, NORTH CAROLINA

SE-2, 21 OCT 2010 to 18 NOV 2010



SE-2, 21 OCT 2010 to 18 NOV 2010

AIRPORT DIAGRAM

GOLDSBORO, NORTH CAROLINA

SEYMOUR JOHNSON AFB (KGSB)

SEYMOUR JOHNSON AFB (GSB)(KGSB) AF 3 SE UTC-5(-4DT) N35°20.36' W77°57.64 **CHARLOTTE**
 109 B TPA—See Remarks Class I, ARFF Index A NOTAM FILE RDU Not insp. **H-9C, 12H, L-35B, 36F**
RWY 08-26: H11760X300 (CONC-GRVD) PCN 56 R/C/W/T HIRL **DIAP, AD**
RWY 08: ALSF1. PAPI(P4L). Rgt tfc. **RWY 26:** ALSF1. PAPI(P4L). Rgt tfc. 0.3% down

RUNWAY DECLARED DISTANCE INFORMATION
RWY 08: TORA-11760 TODA-11760 ASDA-11760
RWY 26: TORA-11760 TODA-11760 ASDA-11760

ARRESTING GEAR/SYSTEM
RWY 08 ←HOOK BAK-12A(B) (36' OVRN) HOOK BAK-12B(B) (1492')
 HOOK BAK-12B(B) (1492') HOOK BAK-12A(B) (52' OVRN) →**RWY 26**

MILITARY SERVICE: **LGT** Rwy 08-26 gated thld lgt. **A-GEAR** BAK-12B(B) always in place. The potential for tail hook skip exists, due conc inlay meeting asphalt pavement at the Rwy 26 underrun/Rwy 08 ovrn BAK 12 barrier. **JASU** 8(M32A-60A/B) 5(M32A-86) 1(MC-11) 1(MC-1A) **FUEL** J8 **FLUID** SP PRESAIR LPOX LOX
 24 hr prior notice rqr. **OIL** O-148 SOAP

TRAN ALERT Avbl Mon-Fri 1200-0400Z†, other times standby. Expect 1-2 hr svc/refuel delays weekend, holiday, peak periods and ltd maintenance. Ltd fleet svc avbl for military acft only. 50 gallon maximum per load for lavatory.

MILITARY REMARKS: Opr 1200-0430Z†. See FLIP AP/1 Supplementary Arpt Info. **RSTD** Transient acft expect full stop ldg during local flying period. PPR ctc Base OPS 24 hr PN DSN 722-4097, C919-722-4097, fax 4100. PPR all acft incl Distinguished Visitors, hazardous cargo and air evacuation regardless of affiliation for notification and coordination purposes. Transient acft ctc Base OPS via PTD prior arr to confirm svc rqr. Issued PPR valid 1 hr prior or after ETA, early/late arr/dep must be re-coordinated. 72 hr prior notice rqr for all acft carrying hot cargo. Twy F no acft larger than C130. Twy H clsd. C5, B2 and VC26 acft will experience degraded firefighting capability-coordination 1 week prior to arr for PPR and svc. Twy G ltd to KC135 323,000 lbs or less and F15 65,000 lbs or less. Twy B, G, and J avbl to fighter acft only when arm/de-arm in use. **CAUTION** Uncontrolled vehicle tfc on twy and apron. Bird and deer haz. Peak activity usually begins 1 hr prior SR and SS. Waste water treatment pond facility off W end of rwy attracts significant number of waterfowl. Trees 3000' E of apch Rwy 26. Nlgtld obst (trees) E and W apch ends Rwy 08-26 pent 50:1. Aflid grass cutting Mar-Nov, expect increased bird activity invof mowers. Reduce jet blast clnc between parking rows on F-15 ramp. Minimum jet blast clnc provided for large acft on transient ramp. Non-std mark—10' blue stripe on S side of Twy A identifies sub-sfc fire hydrant location. Mandatory and information signs for Twy C, Twy D, and Twy F located right side of twy. **TFC** PAT TPA Rectangular 1300 (1191), Overhead 1800 (1791), Lgt acft 1000 (991). **MISC** Reported prevailing visibility may not represent touchdown visibility due obstruction from obsn pt; Obsn pt is obstructed from 090°-110° and 250°-010°. ATC will enhance sfc obsn when twr visibility and/or surface visibility is less than 4 SM. Reported visibility will be the low of either twr or sfc visibility. ATC will assist in cooperative wx watch by notifying Wx of previously unreported wx cond. Runway Condition Reading not reported by Seymour Johnson base wx. Current Runway Condition Reading and Runway Surface Covering info avbl via PTD and ATIS. Heavy acft should exercise extreme caution when taxiing on C135 ramp due to minimum wingtip clnc. All inbound acft with VIP ctc consolidated Comd Post 60 NM out. Heavy equipment land long over BAK-12s, if unable ctc Base OPS 30 min prior. No COMSEC material avbl. Transient aircrews should plan to arr with appropriate amount of COMSEC to complete entire mission. No COMSEC storage avbl at Base OPS. All transient aircrews shall store top secret material at Wing Comd Post. ACC reduced same rwy separation for ACC acft only. Rwy 08-26: first 1000x300 conc each end. Center 75' con with 112' asphalt edges, grooved.

COMMUNICATIONS: **SFA** ATIS 317.625 (1200-0430Z†) **PTD** 372.2
 (R) **APP** CON 119.7 273.6 (111°-257°) 123.7 290.9 (258°-110°) (1200-0430Z†), other times ctc
WASHINGTON CENTER APP CON 135.5 272.75
TOWER 126.25 370.875 (1200-0430Z†) **GND** CON 138.1 275.8 **CLNC** DEL 128.025 270.8
 (R) **DEP** CON 119.7 338.6 (South) 123.7 320.1 (North) 290.9 273.6 (0430-1200Z†), other times ctc
WASHINGTON CENTER DEP CON 135.5 272.75
4FW COMD POST (RAYMOND 25) 311.0 321.0 (Have QUICK timing unavbl)
916 ARW COMD POST (LIGHTHOUSE CON) 311.0 **PMSV METRO** 323.925 Wx DSN 722-4089 (C919-722-4089)
 forecaster avbl Mon-Fri 1200-2000Z† clsd holidays. Opr hrs may vary with local flying schedule. Wx obsn avbl 24 hrs via AWOS. AWOS augmented when rqr. Full svc avbl 26 OWS Barksdale AFB, DSN 781-4775, C318-456-4775.
ACC SOF (LION SOF) 376.1

AIRSPACE: CLASS D svc 1200-0430Z† other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

(L) **TACAN** Chan 112 GSB (116.5) N35°20.11' W77°58.28' at fld. 82/8W. Unmonitored 0430-1200Z†.
 No NOTAM MP Mon and Fri 0500-1030Z† (1500/3+1).
ILS 109.3 I-GSB Rwy 08. Unmonitored 0430-1200Z†. No NOTAM MP Mon-Fri 0500-1030Z† (3000/5+1)
ILS 109.9 I-DDX Rwy 26. Unmonitored 0430-1200Z†. No NOTAM MP Mon-Fri 0500-1030Z† (3000/5+1), weekends 1400-1600Z†.

PAR

COMM/NAV/WEATHER REMARKS: Radar see Terminal FLIP for Radar Minima. ATIS No NOTAM MP Fri 0900-1100Z†.

LOC I-GSB	APCH CRS	Rwy ldg
109.3	081°	11,760
		TDZE 73
		Arpt Elev 109

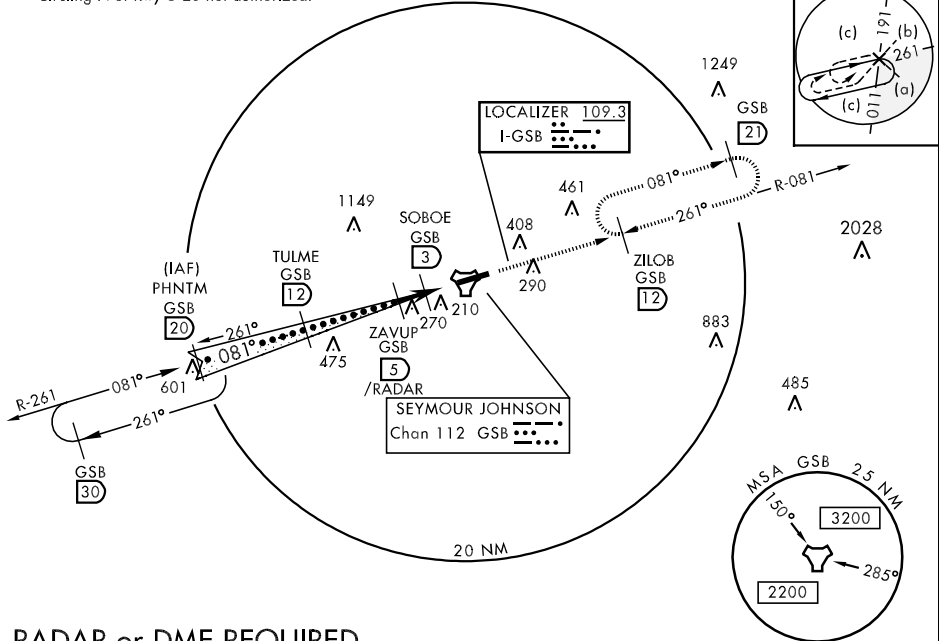
JAL-169 [USAF]

SEYMOUR JOHNSON AFB (KGSB)

▽ * When ALS inop, increase RVR to 40 and vis to ¼ mile. ** When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1½ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles.	ALS-F 1	MISSED APPROACH: Climb to 2300 via GSB R-081 to ZILOB and hold.
	A1	

ATIS ★	SEYMOUR JOHNSON APP CON	SEYMOUR JOHNSON TOWER ★	GND CON	CLNC DEL
317.625	258°-110° 123.7 290.9 111°-257° 119.7 273.6	126.25 370.875	138.1 275.8	128.025 270.8

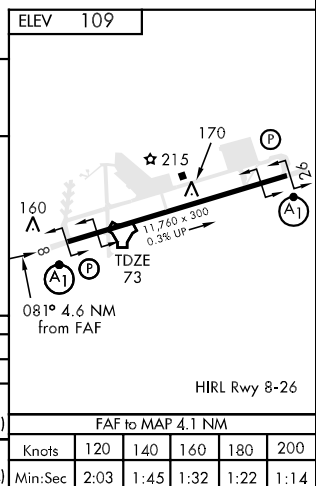
***Circling N of Rwy 8-26 not authorized.



RADAR or DME REQUIRED

EMERG SAFE ALT 100 NM 3700

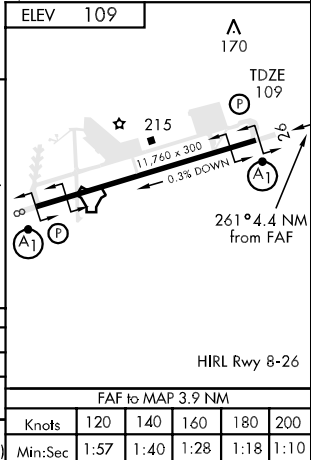
PAPI and Glideslope not coincidental.					
PHNTM R-261 6000 4000 081° 2500 1600 960 2300 GSB R-081 ZILOB R-081 12 † LOC ONLY TACAN JAVIX 1.9 † SOBOE 3 1.8 2.1 NM 2.1 NM .5 GS 3.00° TCH 48					
CATEGORY	A	B	C	D	E
S-ILS 8 *	273/24 200 (200-½)				
S-LOC 8 **	560/24	487 (500-½)	560/40 487 (500-¾)	560/50 487 (500-1)	560/60 487 (500-1½)
CIRCLING***	660-1	551 (600-1)	660-1½ 551 (600-1½)	660-2 551 (600-2)	760-2¼ 651 (700-2¼)



*** Circling N of Rwy 8-26 not authorized.



EMERG SAFE ALT 100 NM 3700



GOLDSBORO, NORTH CAROLINA

HI-TACAN RWY 8

TACAN GSB Chan 112	APCH CRS 081°	Rwy ldg 11,760 TDZE 73 Arpt Elev 109
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JAL-169 [USAF]

SEYMOUR JOHNSON AFB (KGSB)

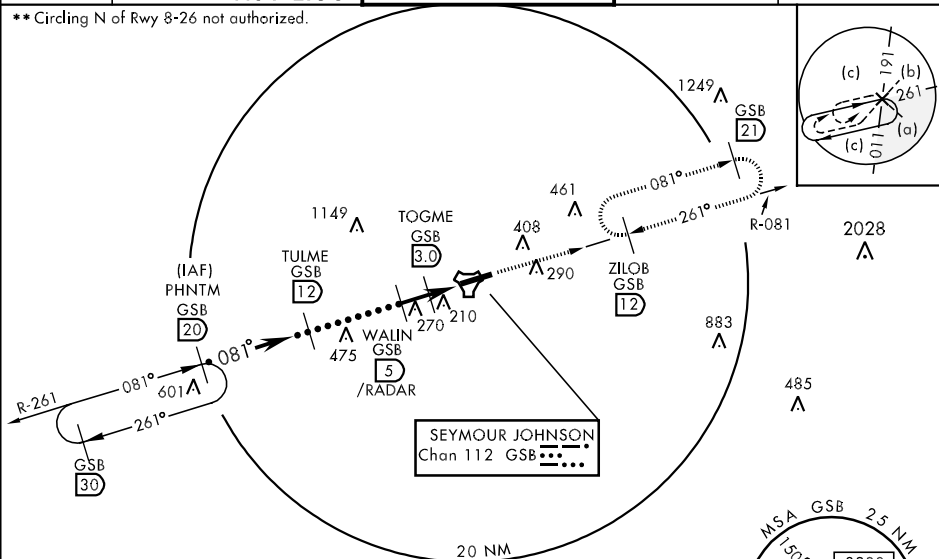
▼ * When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile,
CAT C RVR to 60 and vis to 1¼ miles, CAT D vis to 1½ miles,
CAT E vis to 1¾.



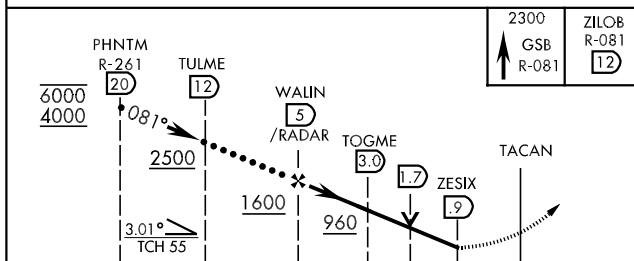
MISSED APPROACH: Climb to 2300 via GSB
R-081 to ZILOB and hold.

ATIS ★ 317.625	SEYMOUR JOHNSON APP CON 258°-110° 123.7 290.9 111°-257° 119.7 273.6	SEYMOUR JOHNSON TOWER ★ 126.25 370.875	GND CON 138.1 275.8	CLNC DEL 128.025 270.8
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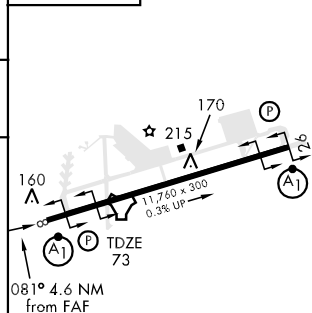
** Circling N of Rwy 8-26 not authorized.

RADAR or DME
REQUIRED

EMERG SAFE ALT 100 NM 3700



ELEV 109



CATEGORY	A	B	C	D	E
S-8 *	560/24 487 (500-½)		560/40 487 (500-¾)	560-50 487 (500-1)	560/60 487 (500-1¼)
CIRCLING **	660-1 551 (600-1)		660-1½ 551 (600-1½)	660-2 551 (600-2)	760-2¼ 651 (700-2¼)

HIRL Rwy 8-26

GOLDSBORO, NORTH CAROLINA

35° 20' N-77° 58' W


SEYMOUR JOHNSON AFB (KGSB)

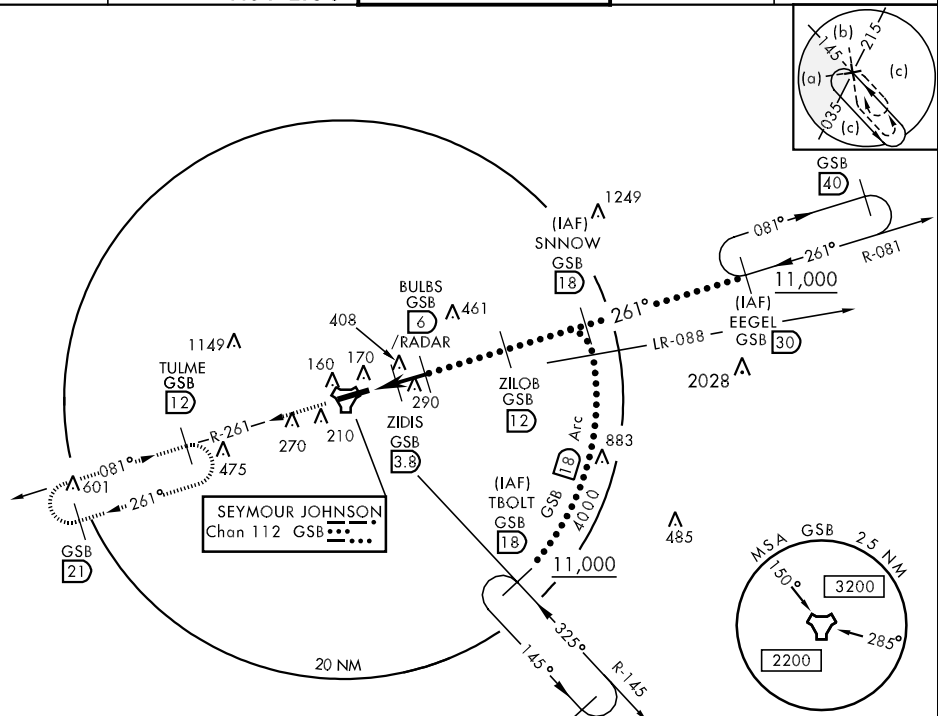
Amdt 1 10154

HI-TACAN RWY 8

SE-2, 21 OCT 2010 to 18 NOV 2010

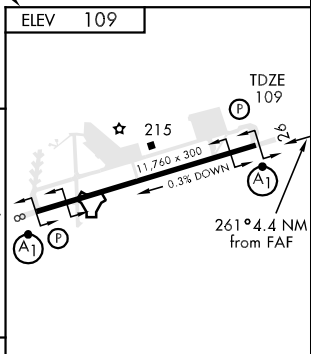
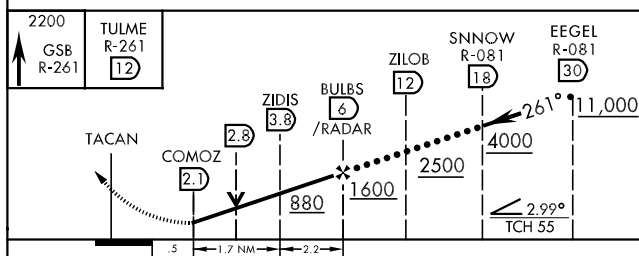
SE-2, 21 OCT 2010 to 18 NOV 2010

TACAN GSB Chan 112		APCH CRS 261°		Rwy Idg 11,760 TDZE 109 Arpt Elev 109		JAL-169 [USAF]		HI-TACAN RWT 20		SEYMOUR JOHNSON AFB (KGSB)	
▼ * When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis 1¼ miles, CAT DE vis to 1½ miles. ** Circling N of Rwy 8-26 not authorized.						ALSF-1 		MISSED APPROACH: Climb to 2200 via GSB R-261 to TULME and hold.			
ATIS ★ 317.625		SEYMOUR JOHNSON APP CON 258°-110° 123.7 290.9 111°-257° 119.7 273.6		SEYMOUR JOHNSON TOWER ★ 126.25 370.875		GND CON 138.1 275.8		CLNC DEL 128.025 270.8			



RADAR or DME
REQUIRED

EMERG SAFE ALT 100 NM 3700



CATEGORY	A	B	C	D	E	HIRL Rwy 8-26					
S-26 *	560/24	451 (500-½)	560/40 451 (500-¾)	560/50	451 (500-1)	FAF to MAP 3.9 NM					
CIRCLING**	660-1	551 (600-1)	660-1½	660-2	760-2¼	Knots	120	140	160	180	200
			551 (600-1½)	551 (600-2)	651 (700-2¼)	Min:Sec	1:57	1:40	1:28	1:18	1:10

LOC I-GSB 109.3	APCH CRS 081°	Rwy Idg 11,760 TDZE 73 Arpt Elev 109
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AL-169 [USAF]

SEYMOUR JOHNSON AFB

(KGSB)

▼ * When ALS inop, increase RVR to 40 vis to $\frac{3}{4}$ mile.

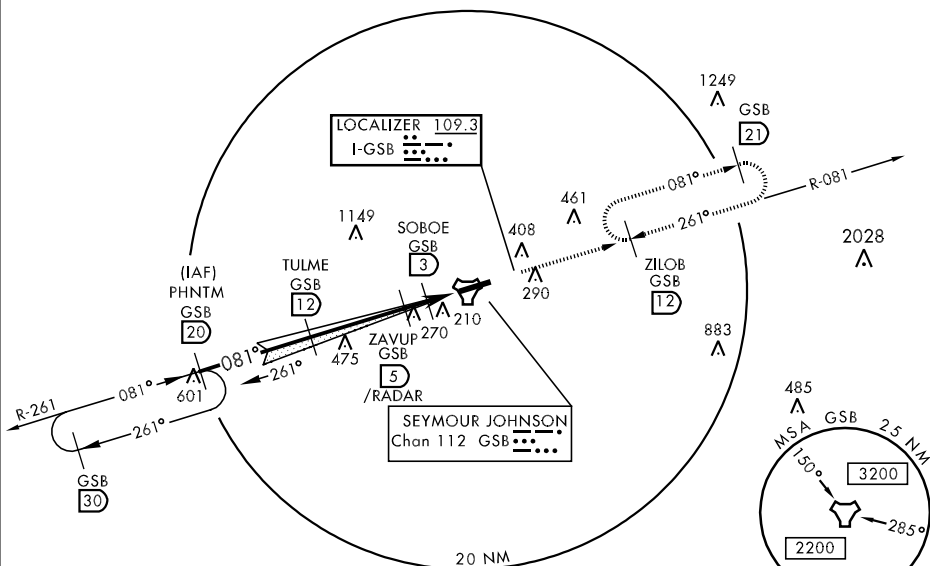
** When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to $1\frac{1}{4}$ miles, CAT D vis to $1\frac{1}{2}$ miles, CAT E vis to $1\frac{3}{4}$ miles.



MISSED APPROACH: Climb to 2300 via GSB R-081 to ZILOB and hold.

ATIS ★ 317.625	SEYMOUR JOHNSON APP CON 258°-110° 123.7 290.9 111°-257° 119.7 273.6	SEYMOUR JOHNSON TOWER ★ 126.25 370.875	GND CON 138.1 275.8	CLNC DEL 128.025 270.8
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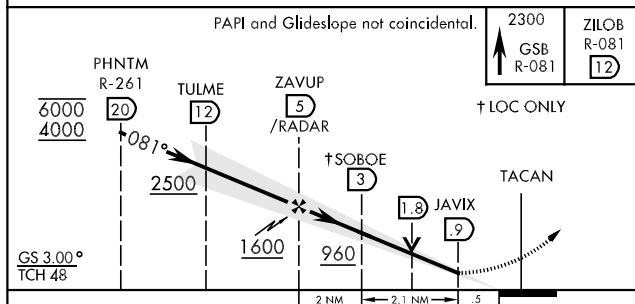
*** Circling N of Rwy 8-26 not authorized.



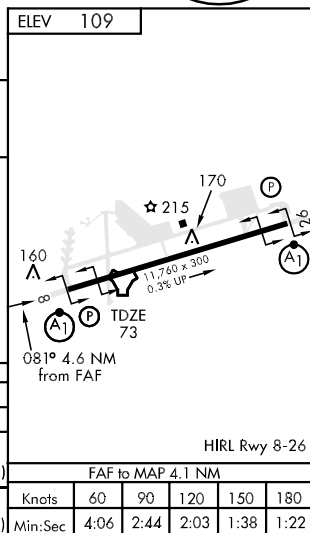
**RADAR or DME
REQUIRED**


EMERG SAFE ALT 100 NM 3700

PAPI and Glideslope not coincidental.

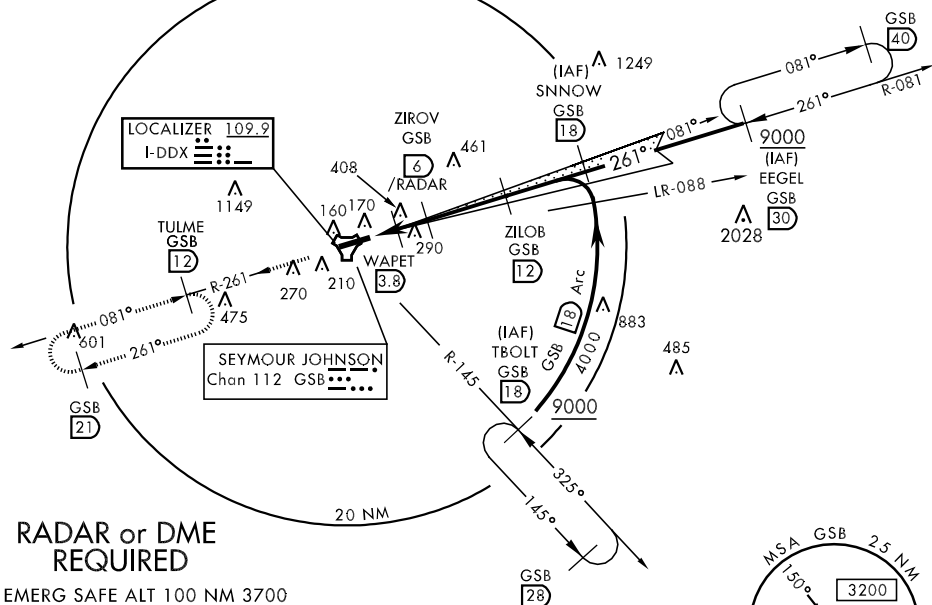


CATEGORY	A	B	C	D	E
S-ILS 8*	273/24		200	(200- $\frac{1}{2}$)	
S-LOC 8**	560/24	487 (500- $\frac{1}{2}$)	560/40 487 (500- $\frac{3}{4}$)	560/50 487 (500-1)	560/60 487 (500- $1\frac{1}{4}$)
CIRCLING ***	660-1	551 (600-1)	660- $1\frac{1}{2}$ 551 (600- $1\frac{1}{2}$)	660-2 551 (600-2)	760-2 $\frac{1}{4}$ 651 (700-2 $\frac{1}{4}$)



LOC I-DDX 109.9	APCH CRS 261°	Rwy Idg 11,760 TDZE 109 Arpt Elev 109	AL-169 [USAF]	SEYMOUR JOHNSON AFB (KGSB)
<p>▼ * When ALS inop, increase RVR to 40 and vis to $\frac{3}{4}$ mile.</p> <p>** When ALS inop, increase CAT ABC RVR to 50 and vis to 1 mile, CAT D RVR to 60 and vis to $\frac{1}{4}$ miles, CAT E vis to $\frac{1}{2}$ miles.</p>				<p>MISSED APPROACH: Climb to 2200 via GSB R-261 to TULME and hold.</p>
<p>ATIS ★</p> <p>317.625</p>	<p>SEYMOUR JOHNSON APP CON</p> <p>258°-110° 123.7 290.9</p> <p>111°-257° 119.7 273.6</p>	<p>SEYMOUR JOHNSON TOWER ★</p> <p>126.25 370.875</p>	<p>GND CON</p> <p>138.1 275.8</p>	<p>CLNC DEL</p> <p>128.025 270.8</p>

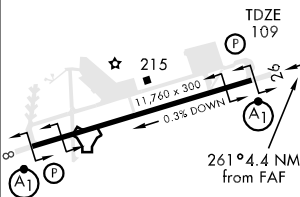
***Circling N of Rwy 8-26 not authorized.



**RADAR or DME
REQUIRED**

EMERG SAFE ALT 100 NM 3700

ELEV 109



HIRL Rwy 8-24

FAF to MAP 3.9 NM						S-LOC 26**	500/24 391 (400-½)		500/40 391 (400-¾)		500-50 391 (400-1)			
Knots	60	90	120	150	180									
Min:Sec	3:54	2:36	1:57	1:34	1:18	CIRCLING***	660-1 551 (600-1)		660-1½ 551 (600-1½)		660-2 551 (600-2)		760-2¼ 651 (700-2 ¼)	

GOLDSBORO, NORTH CAROLINA
Amdt 2 10154

35°20'N-77°58'W

SEYMOUR JOHNSON AFB (KGSB)

ILS or LOC/DME RWY 26

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

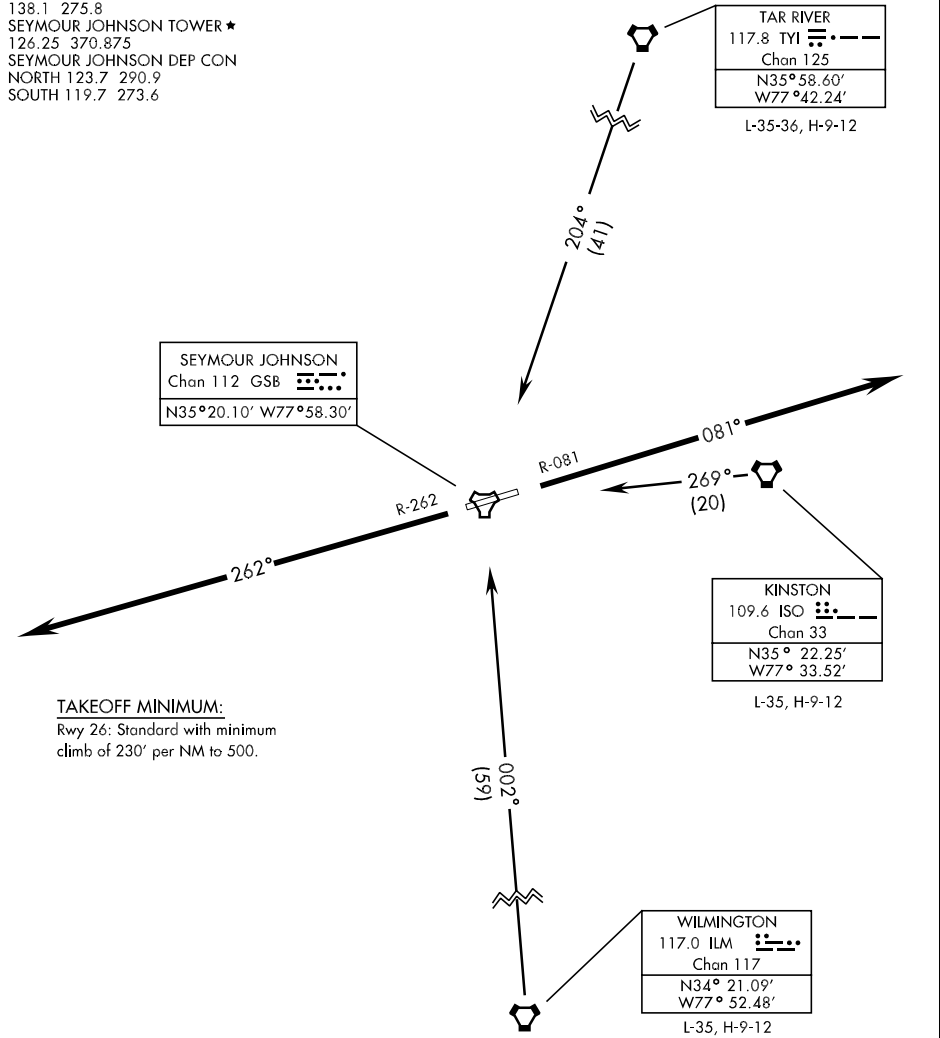
SEYMOUR-ONE DEPARTURE (GSB1 • GSB)

GOLDSBORO, NORTH CAROLINA

ATIS★ 317.625
CLNC DEL
128.025 270.8
GND CON
138.1 275.8
SEYMOUR JOHNSON TOWER ★
126.25 370.875
SEYMOUR JOHNSON DEP CON
NORTH 123.7 290.9
SOUTH 119.7 273.6

SHL-169 [USAF]

Rwy	Knots	60	120	180	240	300	360
26	V/V(fpm)	230	460	690	920	1150	1380



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 8: Track outbound on GSB R-081 until passing 2500', then turn right/left on course climbing to assigned altitude.

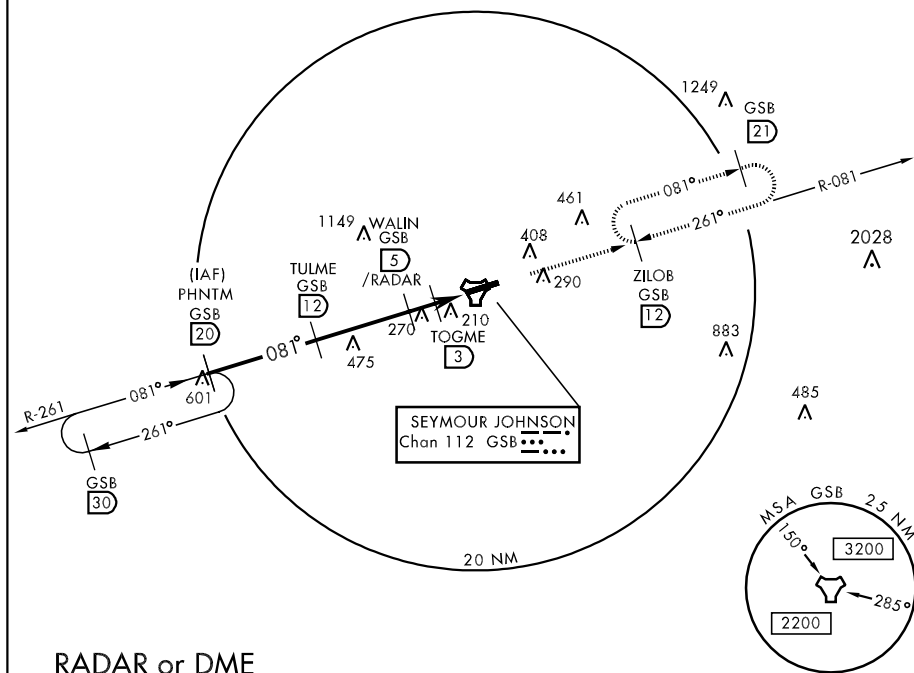
TAKE-OFF RWY 26: Track outbound on GSB R-262 until passing 2500', then turn right/left on course climbing to assigned altitude.

SEYMOUR-ONE DEPARTURE (GSB1 • GSB)

GOLDSBORO, NORTH CAROLINA

SEYMOUR JOHNSON AFB (KGSB)

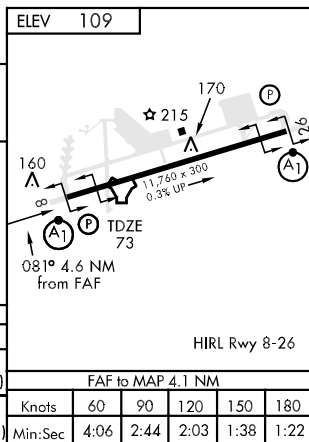
TACAN GSB Chan 112	APCH CRS 081°	Rwy Idg 11,760 TDZE 73 Arpt Elev 109	AL-169 [USAF]	SEYMOUR JOHNSON AFB (KGSB)
▽ * When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1¼ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles. ** Circling N of Rwy 8-26 not authorized.			ALS-1 (A1)	MISSED APPROACH: Climb to 2300 via GSB R-081 to ZILOB and hold.
ATIS ★ 317.625	SEYMOUR JOHNSON APP CON 258°-110° 123.7 290.9 111°-257° 119.7 273.6	SEYMOUR JOHNSON TOWER ★ 126.25 370.875	GND CON 138.1 275.8	CLNC DEL 128.025 270.8



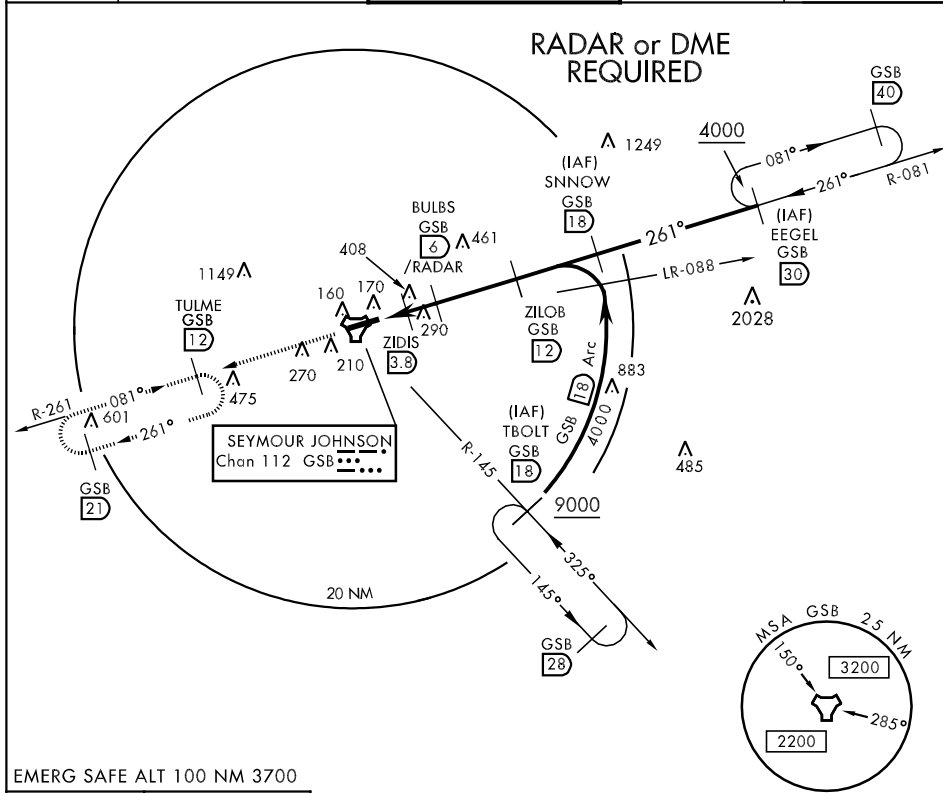
**RADAR or DME
REQUIRED**

EMERG SAFE ALT 100 NM 3700

					<div>2300 ↑ GSB R-081</div>		<div>ZILOB R-081 12</div>				
PHNTM R-261		TULME		WALIN /RADAR		TOGME		ZESIX		TACAN	
6000 4000		2500		1600		960					
20		12		5		3		1.7		9	
087°											
3.01°											
TCH 55											

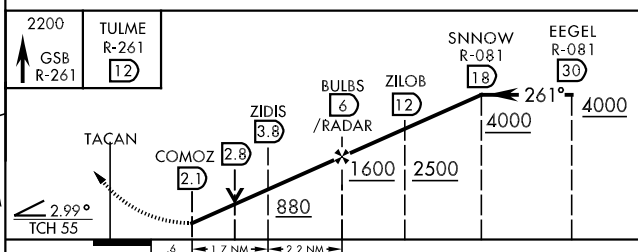
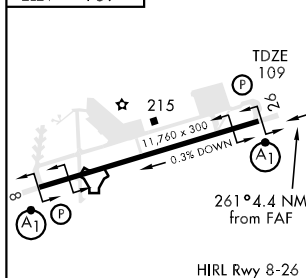


TACAN Chan 112	GSB 261°	APCH CRS 261°	Rwy Idg 11,760 TDZE 109 Arpt Elev 109	AL-169 [USAF]	SEYMOUR JOHNSON AFB (KGSB)
▼ * When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1½ miles, CAT DE vis to 1½ miles. ** Circling N of Rwy 8-26 not authorized.				ALSF-1 	MISSED APPROACH: Climb to 2200 via GSB R-261 to TULME and hold.
ATIS ★ 317.625	SEYMOUR JOHNSON APP CON 258°-110° 123.7 290.9 111°-257° 119.7 273.6		SEYMOUR JOHNSON TOWER ★ 126.25 370.875		GND CON 138.1 275.8
					CLNC DEL 128.025 270.8



EMERG SAFE ALT 100 NM 3700

ELEV 109



HIRL Rwy 8-26						CATEGORY	A		B		C		D		E	
FAF to MAP 3.9 NM						S- 26 *	560/24		451	(500-½)		560/40 451(500-¾)		560/50		451 (500-1)
Knots	60	90	120	150	180		CIRCLING **	660-1		551	(600-1)		660-1½ 551 (600-1½)		660-2 551(600-2)	
Min:Sec	3:54	2:36	1:57	1:34	1:18											

GOLDSBORO, NORTH CAROLINA

35° 20' N-77° 58' W

SEYMOUR JOHNSON AFB (KGSB)

Amdt 1 10154

TACAN RWY 26

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

GOLDSBORO-WAYNE MUNI (GWW) 3 N UTC-5(-4DT) N35°27.63' W77°57.90'

CHARLOTTE

133 B S4 FUEL 100LL, JET A1+ OX 1, 4 NOTAM FILE GWW

H-9C, 12H, L-35B, 36F

RWY 05-23: H5499X99 (ASPH) S-30, D-42 PCN 49 F/C/Y/T MIRL

IAP

RWY 05: PAPI(P4L)—GA 3.0° TCH 40'.

RWY 23: ODALS. REIL. PAPI(P4L)—GA 3.0° TCH 43'.

AIRPORT REMARKS: Attended 1300-0100Z†. Unattended Christmas and Thanksgiving. Bird activity invof arpt. Helicopter ops on twy leading to T hangers. Helipad on twy with traffic cones and flags. Surface variations in rwy safety area. Ultralgt aircraft PPR call 919-734-7630. ACTIVATE MIRL Rwy 05-23, REIL Rwy 23, and ODALS Rwy 23—CTAF; PAPI Rwy 05 and Rwy 23 opr continuously.

WEATHER DATA SOURCES: AWOS-3 118.975 (919) 731-4473.**COMMUNICATIONS:** CTAF/UNICOM 122.7

⑧ SEYMOUR JOHNSON APP/DEP CON 123.7 (1200-0430Z†)

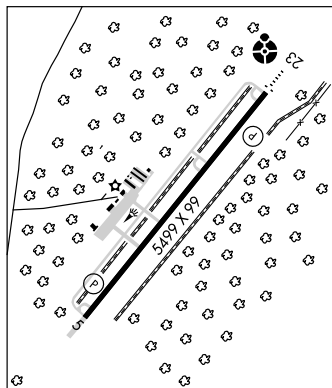
WASHINGTON CENTER APP/DEP 135.5 (0430-1200Z†)

RADIO AIDS TO NAVIGATION: NOTAM FILE ISO.

KINSTON (L) VORTAC 109.6 ISO Chan 33 N35°22.26'

W77°33.50' 290° 20.7 NM to fld. 106/05W.

ILS 111.9 I-UGZ Rwy 23. Class IB.

**GOOSE CREEK** (See INDIAN TRAIL)**GRAYS CREEK** (See FAYETTEVILLE)**GREENSBORO** N36°02.74' W79°58.58' NOTAM FILE GSO.

CINCINNATI

(H) VORTAC 116.2 GSO Chan 109 034° 3.7 NM to Piedmont Triad Intl.

H-9B, 12H, L-25E, 36F

879/03W. HIWAS.

RCO 123.65 122.2 122.1R 116.2T (RALEIGH RADIO)

GREENSBORO**AIR HARBOR** (W88) 6 N UTC-5(-4DT) N36°10.42' W79°48.18'

CINCINNATI

822 S4 FUEL 100LL NOTAM FILE RDU

RWY 09-27: H2460X65 (ASPH-TURF) MIRL(NSTD)

RWY 09: Trees. RWY 27: Trees.

AIRPORT REMARKS: Attended 1700Z†—dusk. Fuel avbl 24hr credit card svc. Deer on and invof arpt. After hrs emerg call 336-288-8047. Rwy 09-27 north 25' width is asph. South 40' width is turf. Rwy 09-27 NSTD MIRL; edge lgts vary from 40'-70' from pavement south end, 8' from pavement north end. Rwy 09 has +60' dropoff 220' from thld. Rwy 27 has 8' dropoff 10' from thld, left and right. Rwy-09 ldg uphill. Grvl access road 60' from Rwy 27 end.

COMMUNICATIONS: CTAF/UNICOM 122.8

LOC I-UGZ	APP CRS	Rwy Idg	5499
<u>111.9</u>	227°	TDZE	134
		Apt Elev	134

ILS or LOC RWY 23
GOLDSBORO-WAYNE MUNI (GWW)

T If local altimeter setting not received, use Smithfield
A NA altimeter setting and increase DA to 390 feet;
increase all MDAs 60 feet.

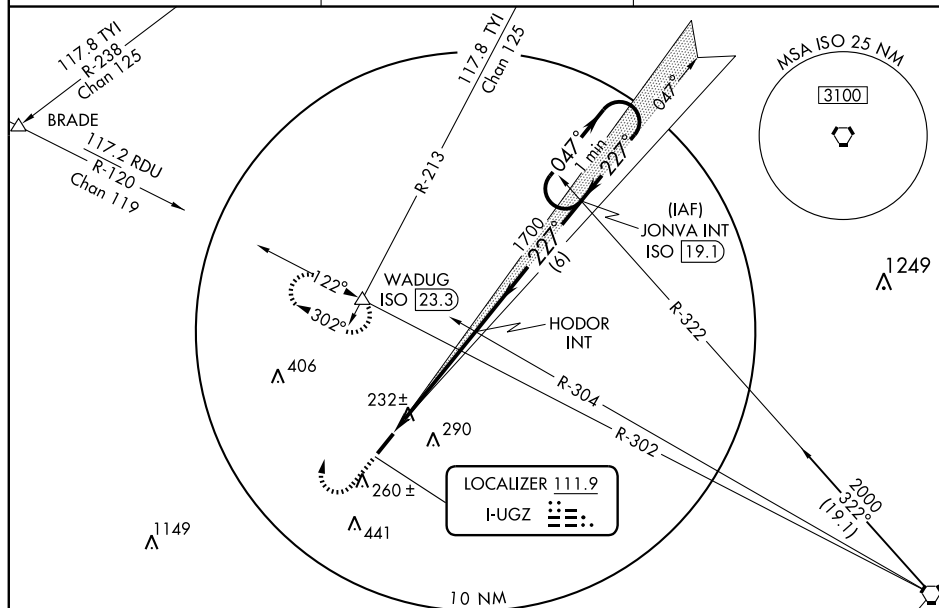
ODALS



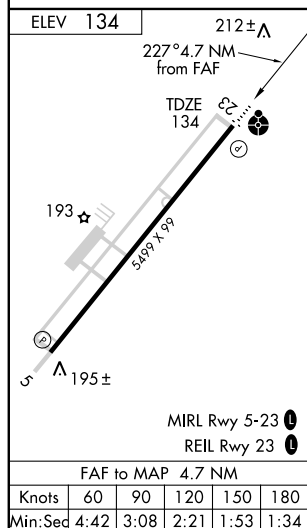
MISSED APPROACH: Climb to 900 then climbing right turn to 2000 via heading 040° and ISO R-302 to WADUG INT/ISO 23.3 DME and hold.

AWOS-3
118.975

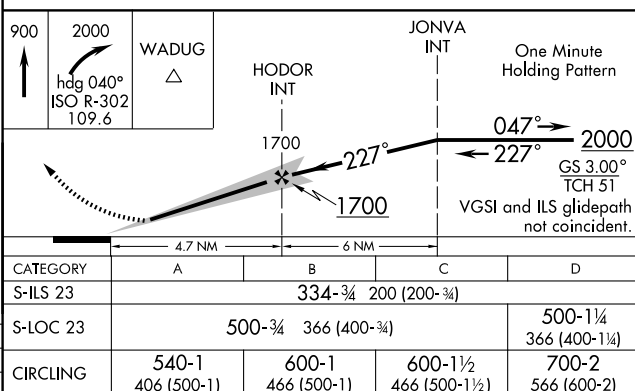
SEYMOUR JOHNSON APP CON
123.7 290.9

UNICOM
122.7 (CTAF) **L**

SE-2. 21 OCT 2010 to 18 NOV 2010



RADAR or DME REQUIRED



GOLDSBORO, NORTH CAROLINA
Amdt 1A 09295

GOLDSBORO-WAYNE MUNI (GWW)
US LOG B/MY 22

ILS or LOC RWY 23

35° 28' N-77° 58' W

APP CRS	Rwy Idg	5499
062°	TDZE	134
	Apt Elev	134

RNAV (GPS) RWY 5

GOLDSBORO-WAYNE MUNI (GWW)



DME/DME RNP-0.3 NA.

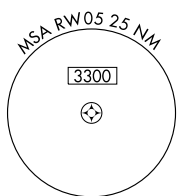
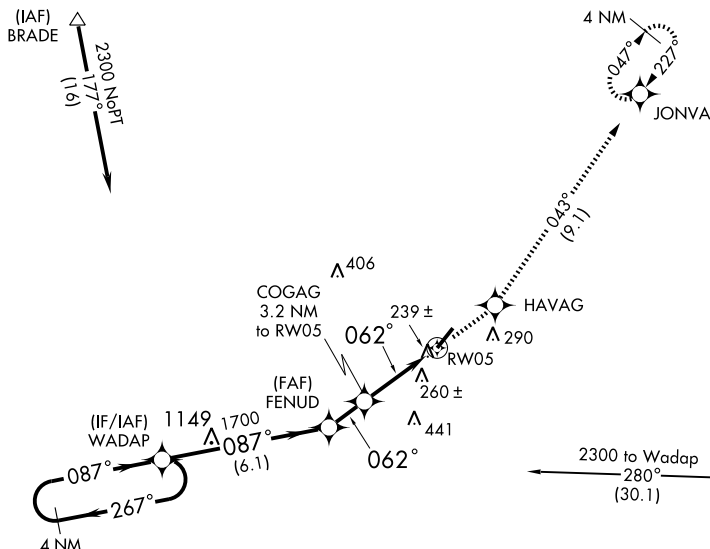
If local altimeter setting not received, use Smithfield altimeter setting and increase all MDAs 60 feet.
VDP NA when using Smithfield altimeter setting.

MISSED APPROACH: Climb to 2000 direct HAVAG and via 043° track to JONVA and hold.

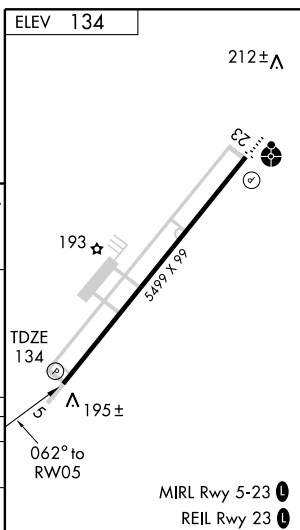
AWOS-3
118.975

SEYMOUR JOHNSON APP CON
123.7 290.9

UNICOM
122.7 (CTAF) 0



4 NM Holding Pattern		WADAP		FENUD		COGAG 3.2 NM to RW05		2000 ↑	HAVAG ✧	trk 043°	JONVA ✧
2300 ← 267° 087° →		087°		1700		062°		1 NM to RW05			
				3.00° TCH 40		1200		RW05			
		← 6.1 NM		← 1.6 NM		← 2.2 NM		← 1 NM			
CATEGORY	A		B		C		D				
LNNAV MDA	500-1		366 (400-1)				500-1¼ 366 (400-1¼)				
CIRCLING	540-1 406 (500-1)		600-1 466 (500-1)		600-1½ 466 (500-1½)		700-2 566 (600-2)				



WAAS
CH **70320**
W23A

APP CRS
227°

Rwy Ldg
TDZE **134**
Apt Elev **134**

RNAV (GPS) RWY 23

GOLDSBORO-WAYNE MUNI (GWW)

▼ DME/DME RNP-0.3 NA.
▲ If local altimeter setting not received, use Smithfield altimeter setting and increase DA to 510 feet; increase all MDAs 60 feet. Inoperative table does not apply to LPV.

ODALS

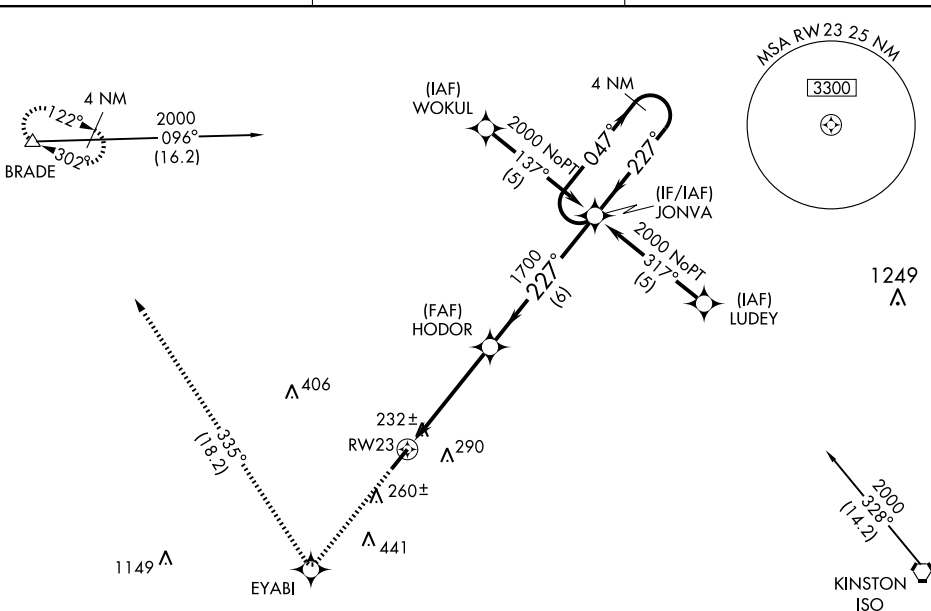


MISSED APPROACH: Climb to 2000 direct EYABI and right turn via 335° track to BRADE and hold.

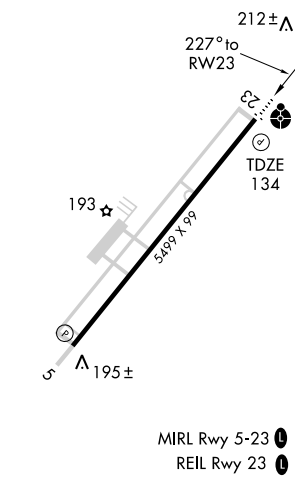
AWOS-3
118.975

SEYMOUR JOHNSON APP CON
123.7 290.9

UNICOM
122.7 (CTAF) 0



ELEV 134



2000	EYABI	trk 335°	BRADE	4 NM Holding Pattern
VGSI and RNAV glidepath not coincident.				
HODOR				
RW23				
JONVA				
227°				
1700				
2000				
GS 3.00° TCH 51				
4.7 NM				
6 NM				
CATEGORY	A	B	C	D
LPV DA	450-1 316 (400-1)			
LNAV/VNAV DA	NA			
LNAV MDA	500-¾ 366 (400-¾)			500-¼ 366 (400-¼)
CIRCLING	540-1 406 (500-1)	600-1 466 (500-1)	600-1½ 466 (500-1½)	700-2 566 (600-2)

VORTAC ISO 109.6 Chan 33	APP CRS 290°	Rwy Idg TDZE Apt Elev N/A N/A 134
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VOR-A
GOLDSBORO-WAYNE MUNI (GWW)

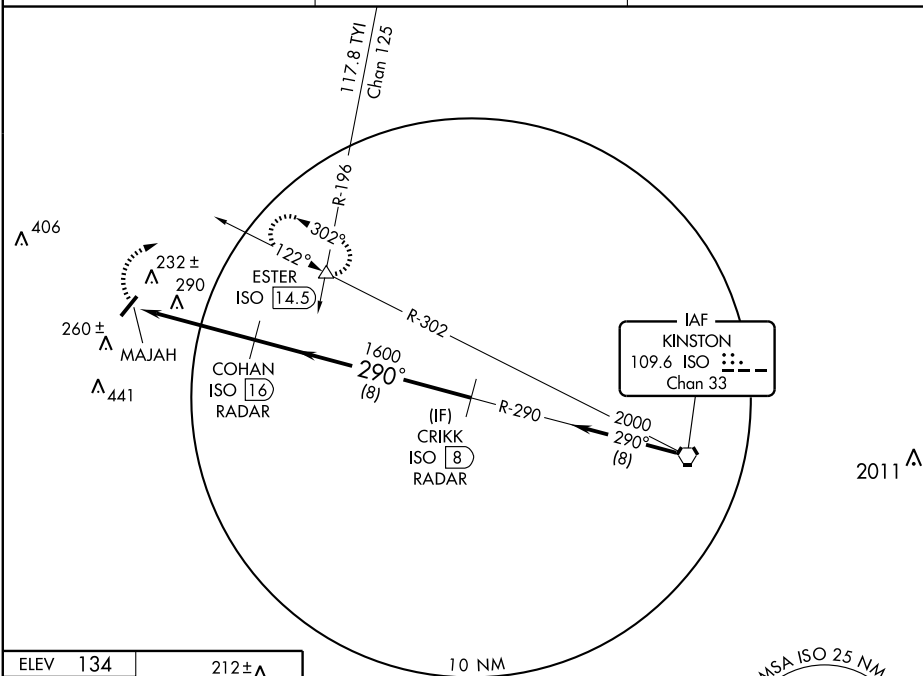
V **A** If local altimeter setting not received, use Smithfield altimeter setting and increase all MDAs 60 feet.
RADAR or DME REQUIRED.

MISSED APPROACH: Climbing right turn to 2000 via heading 050° and ISO R-302 to ESTER Int and hold.

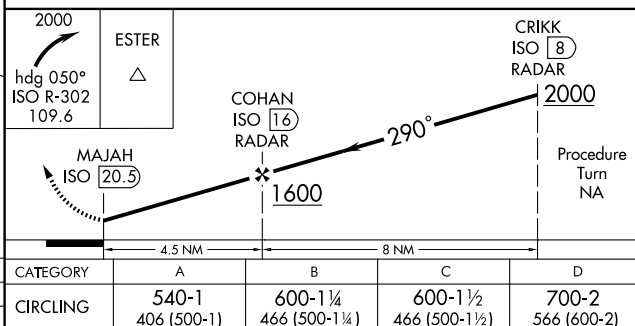
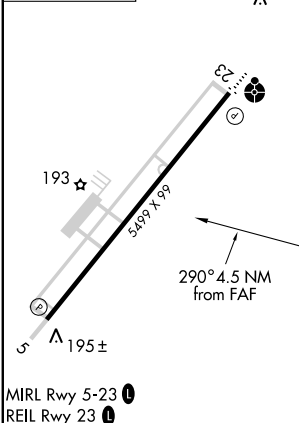
AWOS-3
118.975

SEYMOUR JOHNSON APP CON
123.7 290.9

UNICOM
122.7 (CTAF) 0



ELEV **134** 212 ± Δ



10210

AIRPORT DIAGRAM

GREENSBORO/PIEDMONT TRIAD INTL (GSO)
GREENSBORO, NORTH CAROLINA

ATIS
128.55
GREENSBORO TOWER
119.1 290.325
GND CON
121.9 348.6
CLNC DEL
121.75

D

FIELD
ELEV
926

VAR 8.1° W

JANUARY 2010
ANNUAL RATE OF CHANGE
0.1° W

36° 07' N

ELEV
855

HANGAR

36° 06' N

ELEV
916

AIR CARGO

TERMINAL

TWR
1020ELEV
886

36° 05' N

ELEV
925FIRE
STATIONAIR
CARGO

RWY 05L-23R

S-124, D-170, 2D-240

RWY 05R-23L

S-124, D-170, 2S-175, 2D-240

RWY 14-32

S-123, D-170, 2S-175, 2D-244

CAUTION: BE ALERT TO RUNWAY
CROSSING CLEARANCES.
READBACK OF ALL RUNWAY
HOLDING INSTRUCTIONS
IS REQUIRED.

79° 57' W

79° 56' W

79° 55' W

AIRPORT DIAGRAM

GREENSBORO, NORTH CAROLINA
GREENSBORO/PIEDMONT TRIAD INTL (GSO)

10210

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

PIEDMONT TRIAD INTL (GSO) 7 W UTC-5(-4DT) N36°06.08' W79°56.47'

926 B S4 FUEL 100LL, JET A OX 1, 2 LRA Class I, ARFF Index C

CINCINNATI

H-9B, 12H, L-25E, 36F

IAP, AD

NOTAM FILE GSO

RWY 05R-23L: H1000X150 (ASPH-GRVD) S-124, D-170,

2S-175, 2D-240 HIRL CL

RWY 05R: MALSR. PAPI(P4R)—GA 3.0° TCH 68'. 0.3% down.

RWY 23L: ALSF2. TDZL. PAPI(P4L).

RWY 05L-23R: H9000X150 (ASPH) S-124, D-170, 2D-240

HIRL CL

RWY 05L: ALSF2. TDZL. PAPI(P4L)—GA 3.0° TCH 78'.

RWY 23R: MALSR. TDZL. PAPI(P4L)—GA 3.0° TCH 69'.

RWY 14-32: H6380X150 (ASPH-PFC) S-123, D-170, 2S-175,

2D-244 HIRL 0.4% up NW

RWY 32: REIL. VASI(V4L)—GA 3.0° TCH 53'.

LAND AND HOLD SHORT OPERATIONS

LANDING	HOLD SHORT POINT	DIST AVBL
RWY 14	05R-23L	3450
RWY 23L	14-32	9200

RUNWAY DECLARED DISTANCE INFORMATION

RWY 05L: TORA-9000 TODA-9000 ASDA-9000 LDA-9000

RWY 05R: TORA-10001 TODA-10001 ASDA-10001 LDA-10001

RWY 14: TORA-6380 TODA-6380 ASDA-6380 LDA-6380

RWY 23L: TORA-10001 TODA-10001 ASDA-9601 LDA-9601

RWY 23R: TORA-9000 TODA-9000 ASDA-9000 LDA-9000

RWY 32: TORA-6380 TODA-6380 ASDA-6380 LDA-6380

AIRPORT REMARKS: Attended continuously. Aft with wingspan greater than 171' are restricted from using Twy E. Flight

Notification Service (ADCUS) avbl. Rwy 05L and Rwy 23R RVR avbl touchdown, midfield and rollout.

WEATHER DATA SOURCES: ASOS (336) 393-0168. HIWAS 116.2 GSO. WSP.

COMMUNICATIONS: D-ATIS 128.55 UNICOM 122.95

Ⓡ **GREENSBORO APP/DEP CON** 124.35 (250°-049°) 118.5 (050°-249°)

TOWER 119.1 **GND CON** 121.9 **CLNC DEL** 121.75

AIRSPACE: CLASS C svc continuous ctc **APP CON**

RADIO AIDS TO NAVIGATION: NOTAM FILE GSO.

GREENSBORO (H) VORTAC 116.2 GSO Chan 109 N36°02.74' W79°58.58' 030° 3.7 NM to fld. 879/03W.

HIWAS.

MARKY NDB (LOM) 254 GS N36°10.02' W80°02.14' 139° 6.0 NM to fld. Unmonitored.

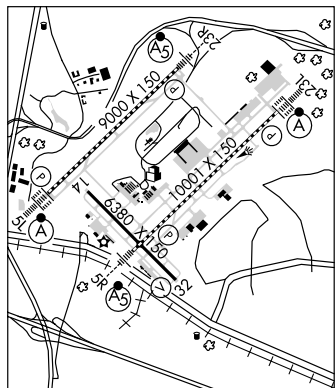
ILS 109.9 I-GSO Rwy 14. LOM MARKY NDB. LOM unmonitored. MM OTS indef.

ILS 109.3 I-HIH Rwy 23L. Class IIE.

ILS/DME 111.9 I-LZY Chan 56 Rwy 05R. Class IA. LOC unusable byd 30° left and right of course.

ILS/DME 109.55 I-LLG Chan 32(Y) Rwy 05L.

ILS/DME 109.55 I-IDB Chan 32(Y) Rwy 23R.



SOUTHEAST GREENSBORO (3A4) 8 SE UTC-5(-4DT) N35°56.52' W79°41.13'

737 S4 NOTAM FILE RDU

RWY 17-35: H3063X30 (ASPH) S-8 MIRL

RWY 17: Trees. **RWY 35:** Trees.

AIRPORT REMARKS: Attended 1200-2200Z±. Parachute Jumping.

Practice Idg on Rwy 35 not permitted. Rwy 17 uphill Idg preferred.

Emergency ctc number 336-420-3776 and 336-420-3775. Rwy

17-35 MIRL OTS, only two end lgts functioning each side.

COMMUNICATIONS: CTAF/UNICOM 122.8

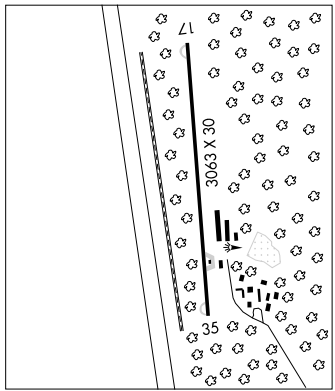
RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

LIBERTY (L) VORTAC 113.0 LIB Chan 77 N35°48.70'

W79°36.76' 339° 8.6 NM to fld. 830/03W.

CHARLOTTE

L-25E, 36F



BLOCC ONE ARRIVAL (BLOCC.BLOCC1)

GREENSBORO, NORTH CAROLINA

GREENSBORO ATIS

128.55

WINSTON-SALEM ATIS

121.3

GREENSBORO APP CON

124.35 269.225 (250°-049°)

118.5 327.075 (050°-249°)

SMITH
REYNOLDSPIEDMONT TRIAD
INTL

RALEIGH-DURHAM

117.2 RDU

Chan 119

GREENSBORO

116.2 GSO

Chan 109

N36°02.74'

W79°58.58'

R-152

33200

(35)

BLOCC

N35°32.93' - W79°36.56'

TURBOJET VERTICAL NAVIGATIONPLANNING INFORMATIONExpect clearance to cross at
11,000 and 250K.

VACUM

N35°27.93'

W79°36.24'

(15)

(20)

11,000

360°

(15)

SANDHILLS

111.8 SDZ

Chan 55

N35°12.93' - W79°35.28'

R-225

(35)

R-5311 A, B, C

TENNI

N34°46.90' - W80°03.81'

TURBOJET VERTICAL NAVIGATIONPLANNING INFORMATION

Expect clearance to cross at FL210.

11,000
043°
(74)

R-332

FLORENCE

115.2 FLO

Chan 99

COLUMBIA

114.7 CAE

Chan 94

N33°51.44' - W81°03.23'

L-24, H-9-12

NOTE: DME Required.

NOTE: Chart not to scale.

COLUMBIA TRANSITION (CAE.BLOCC1): From over CAE VORTAC via CAE R-043 and SDZ R-225 to SDZ VORTAC, then via SDZ R-360 to BLOCC INT. Thence. . .

. . . .From over BLOCC INT via GSO R-152 to GSO VORTAC. Expect radar vectors to final approach course.

BLOCC ONE ARRIVAL (BLOCC.BLOCC1)

GREENSBORO, NORTH CAROLINA

BROOK TWO ARRIVAL (BROOK.BROOK2)

GREENSBORO, NORTH CAROLINA

GREENSBORO ATIS

128.55

WINSTON-SALEM ATIS

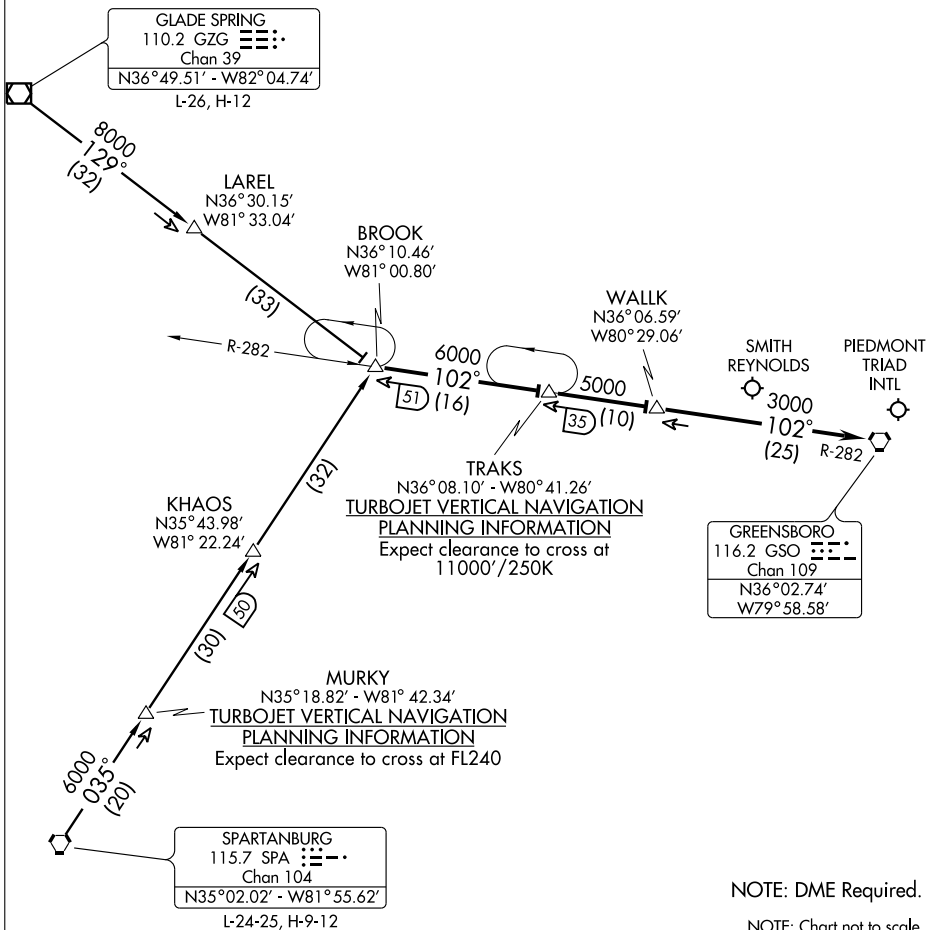
121.3

GREENSBORO APP CON

124.35 269.225 (250°-049°)

118.5 327.075 (050°- 249°)

SE-2, 21 OCT 2010 to 18 NOV 2010



SE-2, 21 OCT 2010 to 18 NOV 2010

GLADE SPRING TRANSITION (GZG.BROOK2): From over GZG VOR/DME via GZG R-129 to BROOK INT. Thence. . . .

SPARTANBURG TRANSITION (SPA.BROOK2): From over SPA VORTAC via SPA R-035 to BROOK INT. Thence. . . .

. . . .From over BROOK INT via GSO R-282 to GSO VORTAC. Expect radar vectors to final approach course.

BROOK TWO ARRIVAL (BROOK.BROOK2)

GREENSBORO, NORTH CAROLINA

HENBY TWO ARRIVAL (HENBY.HENBY2)

GREENSBORO, NORTH CAROLINA

GREENSBORO ATIS

128.55


WINSTON-SALEM ATIS


121.3

GREENSBORO APP CON

124.35 269.225 (250°-049°)

118.5 327.075 (050°-249°)

ROANOKE
109.4 ROA 
Chan 31
N37°20.61' - W80°04.23'
L-26, H-10-12

LYNCHBURG
109.2 LYH 
Chan 29
N37°15.28' - W79°14.19'
L-26-36, H-10-12



MAA FL310

MAA FL310
*4000
235°
(50)181°
(37)

11 NM

HENBY

N36°43.17' - W80°01.49'
Turbojets expect clearance
to cross at 12,000'.


180°
(40)SMITH
REYNOLDS 

R-360

PIEDMONT
TRIAD
INTL 

NOTE: DME Required.

NOTE: Chart not to scale.

GREENSBORO
116.2 GSO 
Chan 109
N36°02.74' - W79°58.58'

LYNCHBURG TRANSITION (LYH.HENBY2): From over LYH VORTAC via LYH R-235 to HENBY INT. Thence. . .

ROANOKE TRANSITION (ROA.HENBY2): From over ROA VORTAC via ROA R-181 to HENBY INT. Thence. . .

. . . From over HENBY INT via GSO R-360 to GSO VORTAC. Expect radar vectors to final approach course.

HENBY TWO ARRIVAL (HENBY.HENBY2)

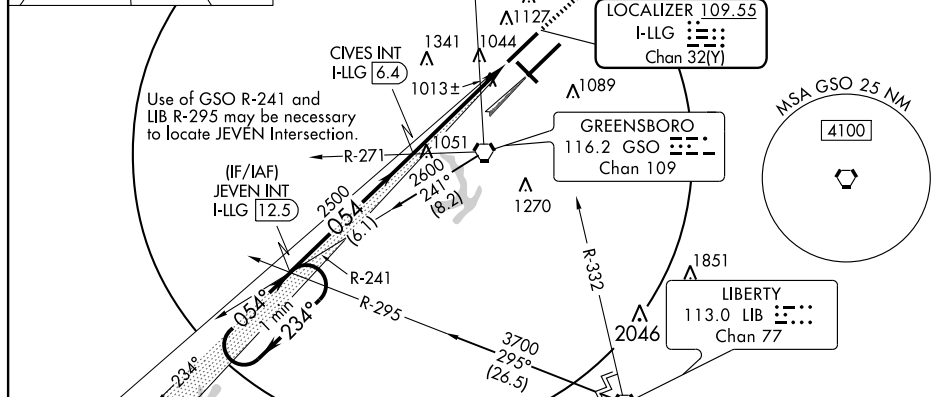
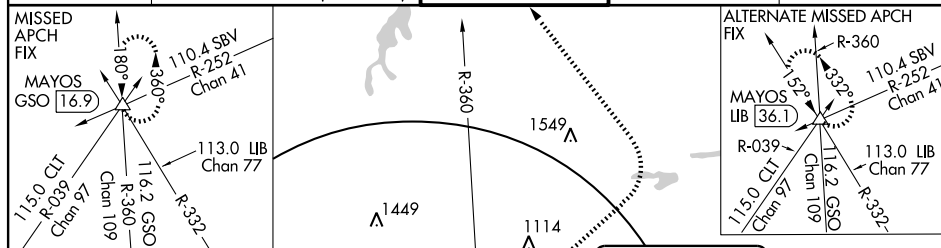
GREENSBORO, NORTH CAROLINA

LOC/DME I-LLG 109.55 Chan 32 (Y)	APP CRS 054°	Rwy Idg 9000 TDZE 917 Apt Elev 926
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ILS or LOC RWY 5L
GREENSBORO/ PIEDMONT TRIAD INTL (GSO)

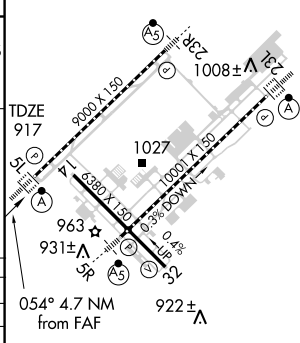
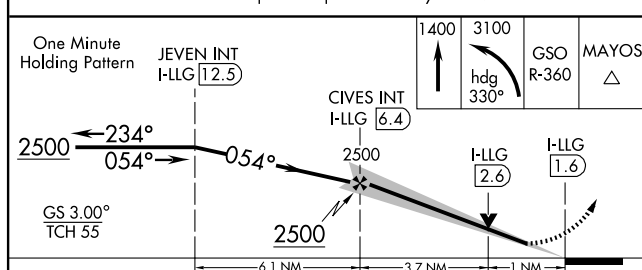
	ALSF-2	MISSED APPROACH: Climb to 1400 then climbing left turn to 3100 via heading 330° and GSO VORTAC R-360 to MAYOS INT/GSO 16.9 DME and hold.
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ATIS 128.55	GREENSBORO APP CON 124.35 269.225 (250°-049°) 118.5 327.075 (050°-249°)	GREENSBORO TOWER 119.1 290.325	GND CON 121.9 348.6	CLNC DEL 121.75
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DME or RADAR required for procedure entry at LIB VORTAC.

DME or RADAR required for procedure entry at IJB VORTAC.



CATEGORY	A	B	C	D	054° 4.7 NM from FAF 922 ± Δ FAF to MAP 4.7 NM Knots 60 90 120 150 180 Min:Sec 4:42 3:08 2:21 1:53 1:34
S-ILS 5L	1117/18 200 (200-½)				
S-LOC 5L	1280/24 363 (400-½)			1280/40 363 (400-¾)	
CIRCLING	1440-1 514 (600-1)		1440-1½ 514 (600-1½)	1480-2 554 (600-2)	

LOC/DME I-DB	APP CRS	Rwy Idg	9000
109.55		TDZE	856
Chan 32 (Y)	234°	Apt Elev	926

ILS or LOC RWY 23R
GREENSBORO/ PIEDMONT TRIAD INTL (GSO)



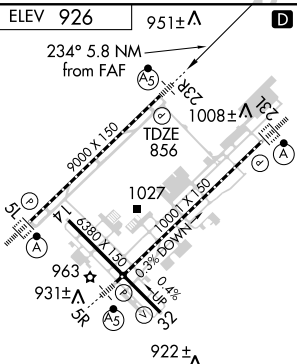
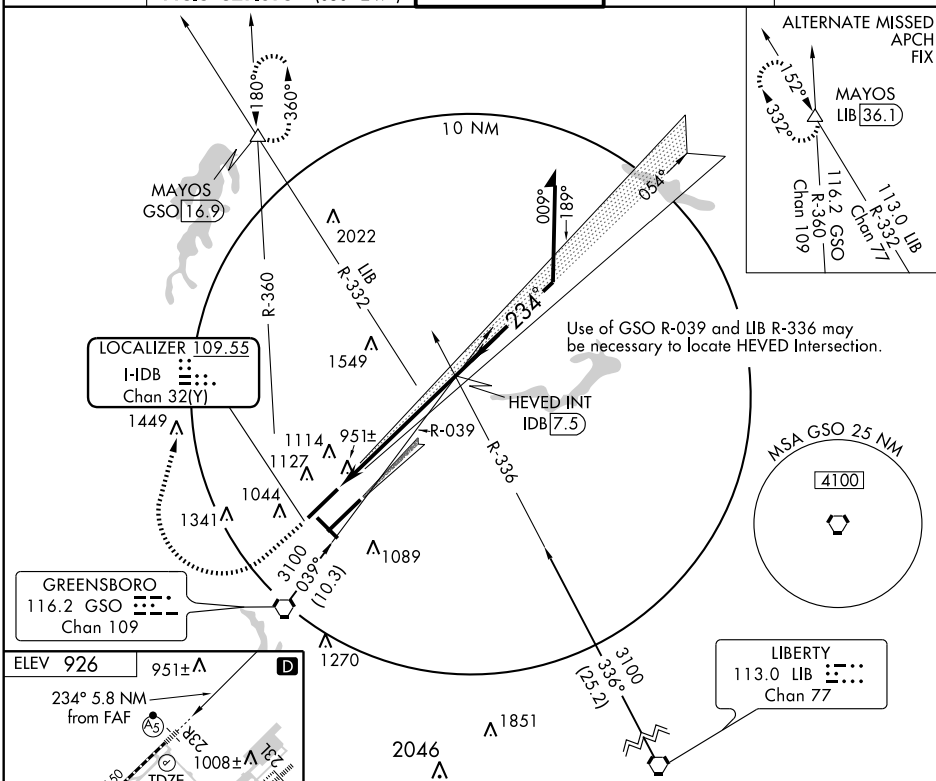
MISSED APPROACH: Climb to 1500 then climbing right turn to 3100 via heading 015° and GSO VORTAC R-360 to MAYOS INT/GSO 16.9 DME and hold.

ATIS
128.55

GREENSBORO APP CON
124.35 269.225 (250°-049°)
118.5 327.075 (050°-249°)

GREENSBORO TOWER
119.1 290.325

GND CON
121.9 348.6

CLNC DEL
121.75

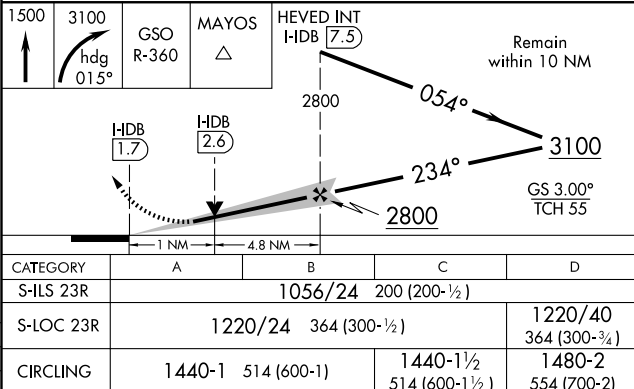
TDZ/CL Rwy 5L, 23R and 23L
REIL Rwy 32
HIRL Rwy 14-32, 5R-23L and 5L-23R

FAF to MAP 5.8 NM

Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

GREENSBORO, NORTH CAROLINA

Orig 22OCT09



GREENSBORO/ PIEDMONT TRIAD INTL (GSO)

ILS or LOC RWY 23R

SE-2. 21 OCT 2010 to 18 NOV 2010

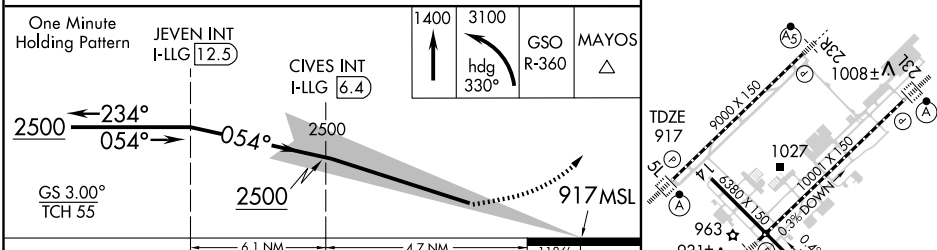
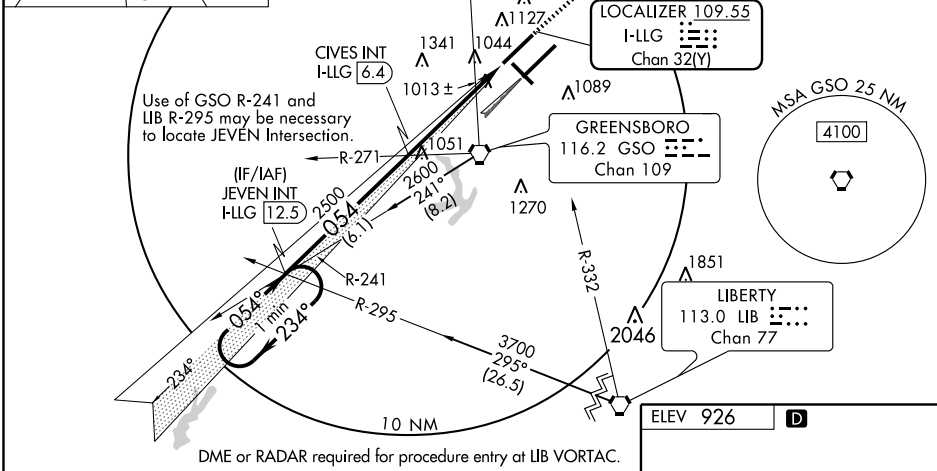
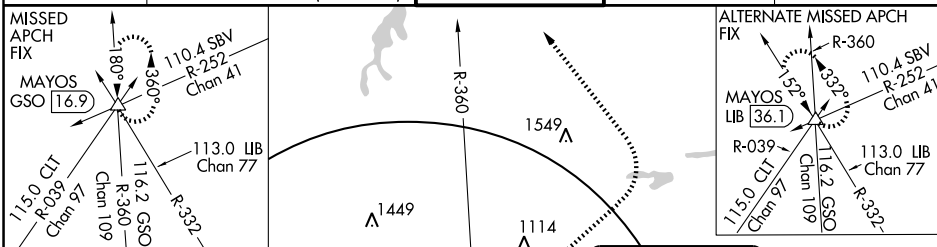
LOC/DME I-LLG 109.55 Chan 32 (Y)	APP CRS 054°	Rwy Idg TDZE Apt Elev 926
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ILS RWY 5L (CAT III)

GREENSBORO/ PIEDMONT TRIAD INTL (GSO)

	ALSF-2 	MISSED APPROACH: Climb to 1400 then climbing left turn to 3100 via heading 330° and GSO VORTAC R-360 to MAYOS INT/GSO 16.9 DME and hold.
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ATIS 128.55	GREENSBORO APP CON 124.35 269.225 (250°-049°) 118.5 327.075 (050°-249°)	GREENSBORO TOWER 119.1 290.325	GND CON 121.9 348.6	CLNC DEL 121.75
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CATEGORY	A	B	C	D
S-ILS-05L			CAT IIIa RVR 07	
S-ILS-05L			CAT IIIb RVR 06	
S-ILS-05L			CAT IIIc NA	

**CATEGORY III ILS - SPECIAL AIRCREW
& AIRCRAFT CERTIFICATION REQUIRED**

TDZ/CL Rwy 5L, 23R and 23L
REIL Rwy 32
HIRL Rwy 14-32, 5R-23L and 5L-23R

LOC/DME I-LZY
111.9
Chan **56**

APP CRS
054°

Rwy Idg **10001**
TDZE **900**
Apt Elev **926**

ILS RWY 5R (CAT II)

GREENSBORO/ PIEDMONT TRIAD INTL (GSO)

Procedure does not meet ICAO standard for ALSF/TDZ/CL lighting systems. Authorization to conduct this approach requires specific OPSPEC approval or LOA for this runway.

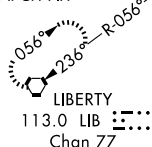
MALSR



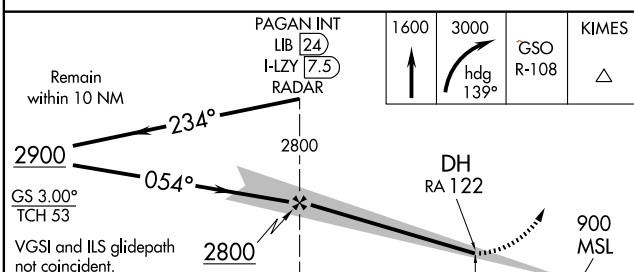
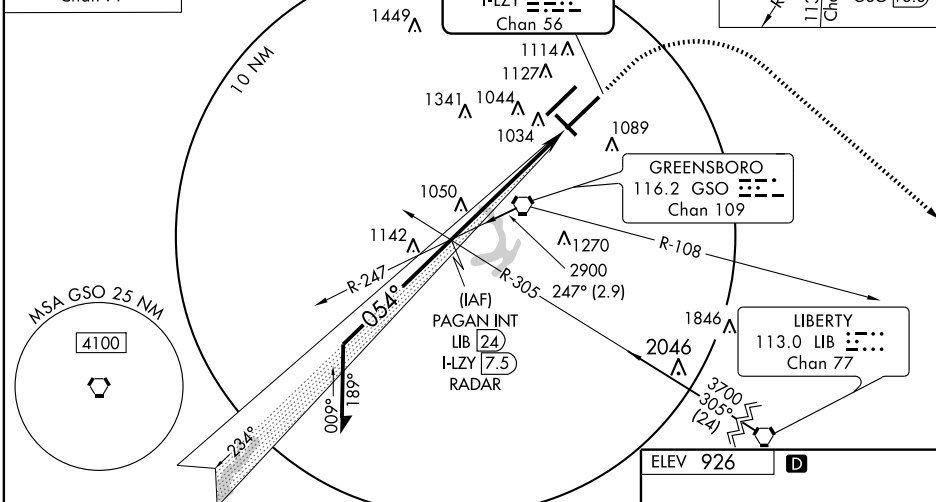
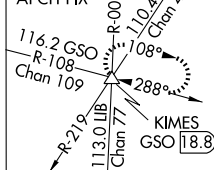
MISSED APPROACH: Climb to 1600 then climbing right turn to 3000 via heading 139° and GSO VORTAC R-108 to KIMES INT/ GSO 18.8 DME and hold.

ATIS 128.55	GREENSBORO APP CON 124.35 269.225 (250°-049°) 118.5 327.075 (050°-249°)	GREENSBORO TOWER 119.1 290.325	GND CON 121.9 348.6	CLNC DEL 121.75
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ALTERNATE MISSED APCH FIX



MISSED APCH FIX

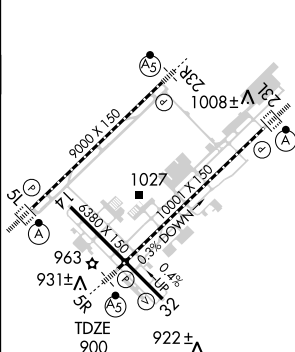


CATEGORY	A	B	C	D
S-ILS 5R		RA 122/12 100 DA 1000		

**CATEGORY II ILS - SPECIAL AIRCREW
& AIRCRAFT CERTIFICATION REQUIRED**

ELEV 926

D



TDZ/CL Rwy 5L, 23R and 23L
REIL Rwy 32
HIRL Rwy 14-32, 5R-23L and 5L-23R

LOC I-HIH	APP CRS	Rwy Idg	9601
109.3	232°	TDZE	889
		Apt Elev	926

ILS RWY 23L (CAT II)

GREENSBORO/ PIEDMONT TRIAD INTL (GSO)

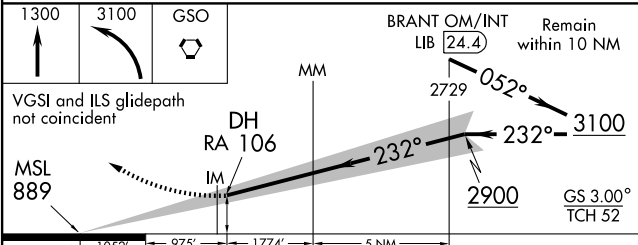
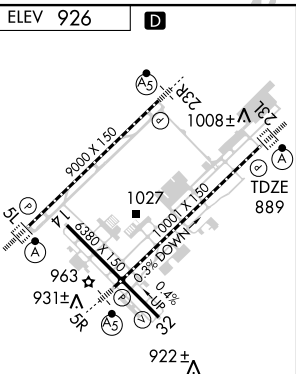
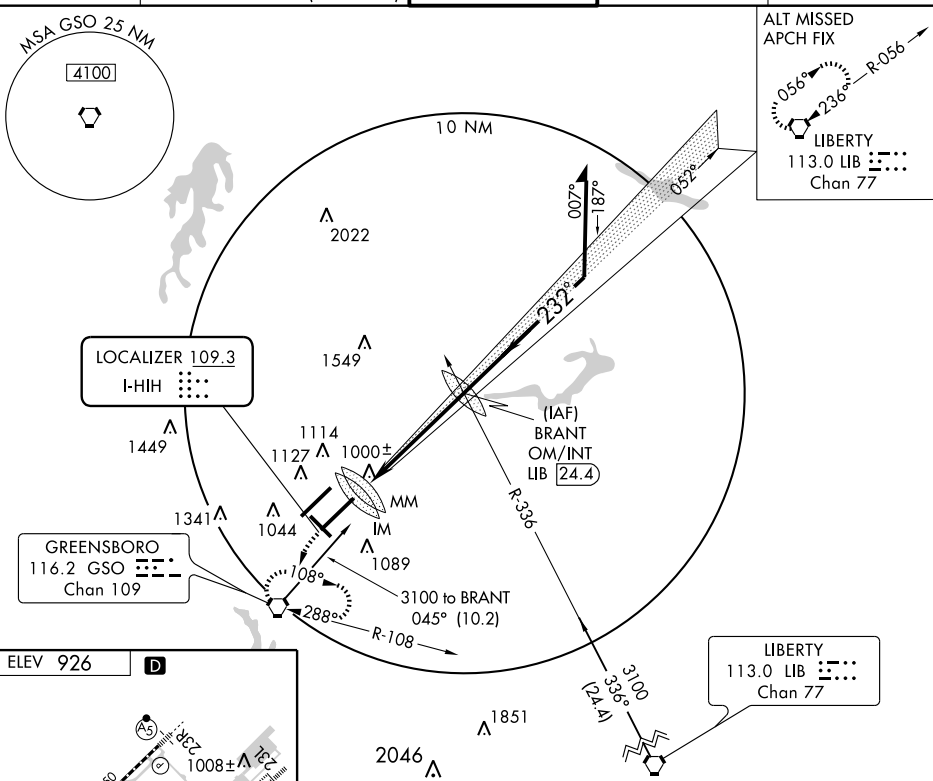


ALSF-2



MISSED APPROACH: Climb to 1300 then climbing left turn to 3100 direct GSO VORTAC and hold, continue climb-in-hold to 3100.

ATIS 128.55	GREENSBORO APP CON 124.35 269.225 (250° -049°) 118.5 327.075 (050° -249°)	GREENSBORO TOWER 119.1 290.325	GND CON 121.9 348.6	CLNC DEL 121.75
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CATEGORY	A	B	C	D
S-ILS 23L	RA 106/12	100	DA 989	

**CATEGORY II ILS - SPECIAL AIRCREW
& AIRCRAFT CERTIFICATION REQUIRED**

LAND AND HOLD SHORT OPERATIONS (LAHSO)

LAHSO is an acronym for "Land and Hold Short Operations." These operations include landing and holding short of an intersection runway, an intersecting taxiway, or other predetermined points on the runway other than a runway or taxiway. Measured distance represents the available landing distance on the landing runway, in feet.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned. The Aeronautical Information Manual contains specific details on hold-short operations and markings.

CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
CHARLESTON, SC			
CHARLESTON AFB/INTL (CHS)	03	15-33	5,543 feet
	15	03-21	5,700 feet
	33	03-21	2,900 feet
GREENSBORO, NC			
PIEDMONT TRIAD INTL (GSO)	14	05R-23L	3,450 feet
	23	14-32	9,200 feet
WINSTON-SALEM, NC			
SMITH REYNOLDS (INT)	33	04-22	6,010 feet

LOM GS 254	APP CRS 141°	Rwy Idg TDZE Apt Elev	6380 926 926
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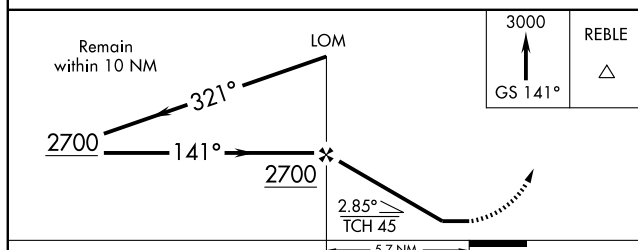
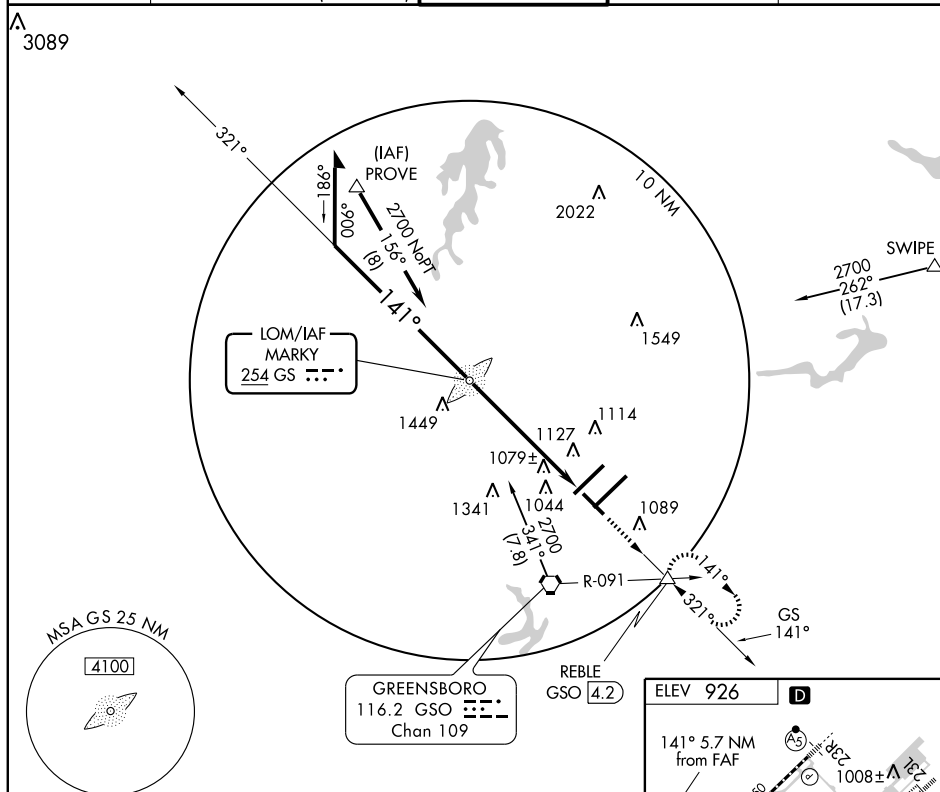
NDB RWY 14

GREENSBORO/ PIEDMONT TRIAD INTL (GSO)

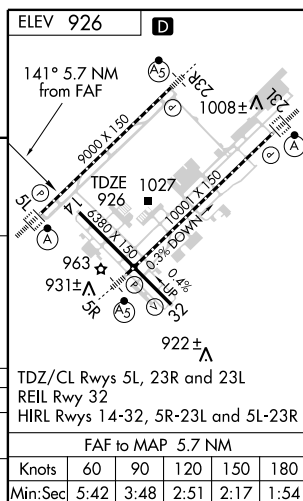


MISSED APPROACH: Climb to 3000 via 141° bearing from GS LOM to REBLE INT and hold.

ATIS 128.55	GREENSBORO APP CON 124.35 269.225 (250° -049°) 118.5 327.075 (050° -249°)	GREENSBORO TOWER 119.1 290.325	GND CON 121.9 348.6	CLNC DEL 121.75
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CATEGORY	A	B	C	D
S-14	1440-1	514 (600-1)	1440-1½ 514 (600-1½)	1440-1¾ 514 (600-1¾)
CIRCLING	1440-1 514 (600-1)	1480-1 554 (600-1)	1480-1½ 554 (600-1½)	1480-2 554 (600-2)



QUAKER THREE DEPARTURE

ATIS 128.55
CLNC DEL 121.75
GND CON
121.9 348.6
GREENSBORO TOWER
119.1 290.325
GREENSBORO DEP CON
124.35 269.225 (250°-049°)
118.5 327.075 (050°-249°)

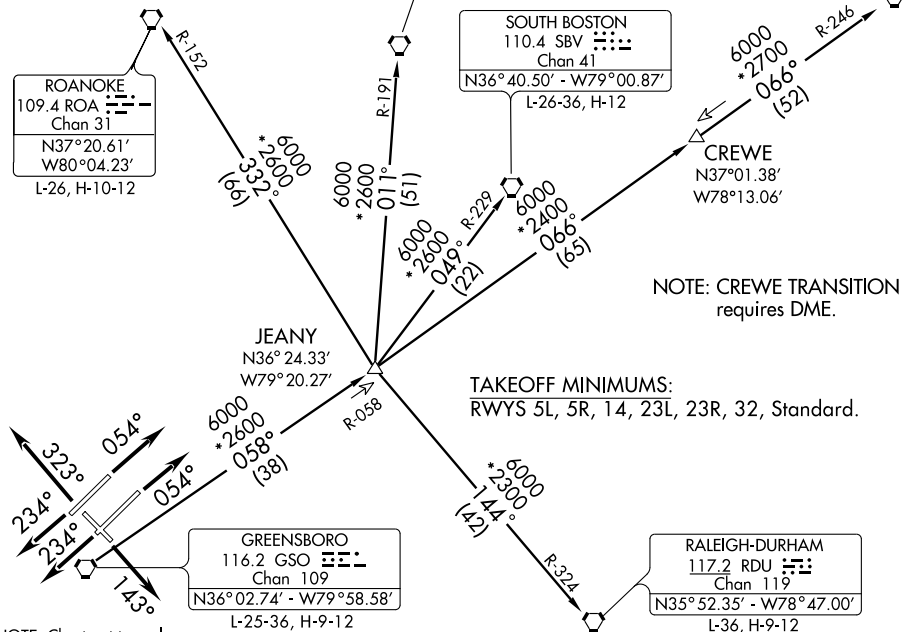
NOTE: Radar required.

LYNCHBURG
109.2 LYH
Chan 29
N37°15.28' - W79°14.19'
L-26-36, H-10-12

RICHMOND
114.1 RIC
Chan 88
L-34-36, H-10-12

SOUTH BOSTON
110.4 SBV
Chan 41
N36°40.50' - W79°00.87'
L-26-36, H-12

ROANOKE
109.4 ROA
Chan 31
N37°20.61' - W80°04.23'
L-26, H-10-12



NOTE: CREWE TRANSITION requires DME.

TAKEOFF MINIMUMS:

RWYS 5L, 5R, 14, 23L, 23R, 32, Standard.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 5R: Climb heading 054°. Thence....

TAKEOFF RWY 5L: Climb heading 054°. Thence....

TAKEOFF RWY 14: Climb heading 143°. Thence....

TAKEOFF RWY 23L: Climb heading 234°. Thence....

TAKEOFF RWY 23R: Climb heading 234°. Thence....

TAKEOFF RWY 32: Climb heading 323°. Thence....

TURBOJETS: Maintain 5000. TURBOPROP/PROP: Maintain 3000 or assigned altitude.

... Expect vector to intercept assigned radial associated with issued transition. Proceed via the depicted radial to the transition fix then as filed. If no transition assigned, expect vector to appropriate fix. Expect filed altitude/flight level ten minutes after departure.



DEPARTURE ROUTE DESCRIPTION (CONTINUED)

RICHMOND TRANSITION (QUAK3.RIC): From over GSO VORTAC via GSO R-058 to JEANY INT then via GSO R-058 and RIC R-246 to CREWE DME fix. Then via RIC R-246 to RIC VORTAC.

LYNCHBURG TRANSITION (QUAK3.LYH): From over GSO VORTAC via GSO R-058 to JEANY INT then via LYH R-191 to LYH VORTAC.

RALEIGH-DURHAM TRANSITION (QUAK3.RDU): From over GSO VORTAC via GSO R-058 to JEANY INT then via RDU R-324 to RDU VORTAC.

ROANOKE TRANSITION (QUAK3.ROA): From over GSO VORTAC via GSO R-058 to JEANY INT then via ROA R-152 to ROA VORTAC.

SOUTH BOSTON TRANSITION (QUAK3.SBV): From over GSO VORTAC via GSO R-058 to JEANY INT then via SBV R-229 to SBV VORTAC.

TAKEOFF OBSTACLE NOTES:

RWY 5R: Terrain and trees beginning 3' from DER, 499' right of centerline, up to 102' AGL/981' MSL.

Trees 2751' from DER, 1191' left of centerline, 57' AGL/966' MSL.

RWY 5L: Trees beginning 1328' from DER, 524' left of centerline, up to 88' AGL/912' MSL.

RWY 14: Pole and railroad signal beginning 937' from DER, 604' right of centerline, up to 51' AGL/940' MSL.

RWY 23R: Trees beginning 1195' from DER, 191' left of centerline, up to 100' AGL/970' MSL. Utility pole 170' from DER, 540' left of centerline, 33' AGL/936' MSL.

Trees beginning 1715' from DER, 358' right of centerline, up to 100' AGL/967' MSL.

RWY 23L: Trees beginning 834' from DER, 719' left of centerline, up to 65' AGL/934' MSL.

RWY 32: Trees beginning 1' from DER, 289' right of centerline, up to 90' AGL/1019' MSL.

SE-2, 21 OCT 2010 to 18 NOV 2010

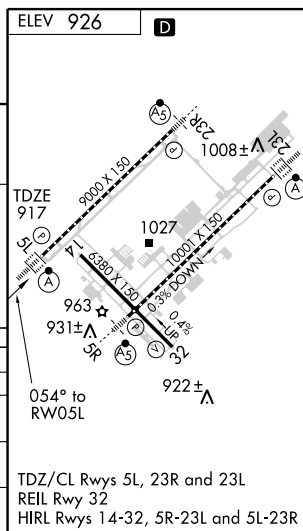
SE-2, 21 OCT 2010 to 18 NOV 2010

RNAV (GPS) RWY 5L
GREENSBORO/PIEDMONT TRIAD INTL (GSO)

MISSED APPROACH: Climb to 2800 direct TUPUE and hold.

CLNC DEL
121.75

SE-2. 21 OCT 2010 to 18 NOV 2010



CATEGORY	A	B	C	D
LPV DA	1117/24 200 (200-½)			
LNAV/ VNAV DA	1367/50 450 (500-1)			
LNAV MDA	1300/24 383 (400-½)			1300/50 383 (400-1)
CIRCLING	1440-1 514 (600-1)		1440-1½ 514 (600-1½)	1480-2 554 (600-2)

GREENSBORO/ PIEDMONT TRIAD INTL (GSO)

36°06'N-79°56'W

RNAV (GPS) RWY 5L

WAAS
CH **93919**
W14A

APP CRS
143°

Rwy ldg
TDZE
Apt Elev

6380
925
926

RNAV (GPS) RWY 14

GREENSBORO/ PIEDMONT TRIAD INTL (GSO)

⚠ Baro-VNAV NA when using Winston-Salem altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Winston-Salem altimeter setting and increase all DA 38 feet and all MDA 40 feet. VDP NA with Winston-Salem altimeter setting.

MISSED APPROACH: Climb to 3700 direct IRKUW and hold.

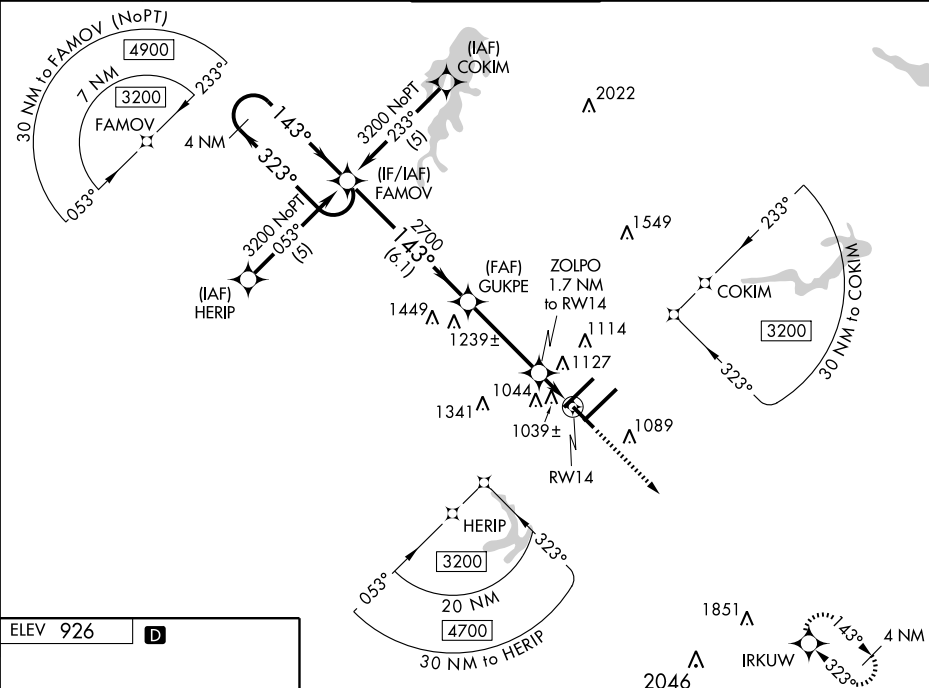
ATIS
128.55

GREENSBORO APP CON
124.35 269.225 (250° -049°)
118.5 327.075 (050° -249°)

GREENSBORO TOWER
119.1 290.325

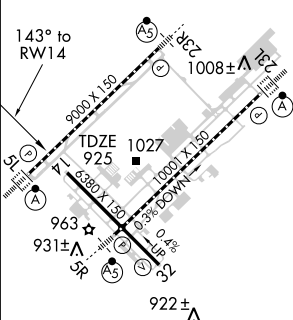
GND CON
121.9 348.6

CLNC DEL
121.75



ELEV 926

D



TDZ/CL Rws 5L, 23R and 23L
REIL Rwy 32
HIRL Rws 14-32, 5R-23L and 5L-23R

GREENSBORO, NORTH CAROLINA

Amdt 2 23SEP10

GREENSBORO/ PIEDMONT TRIAD INTL (GSO)

36°06'N-79°56'W

RNAV (GPS) RWY 14

SE-2, 21 OCT 2010 to 18 NOV 2010

WAAS
CH **90315**
W23B

APP CRS
234°

Rwy Idg **9000**
TDZE **856**
Apt Elev **926**

RNAV (GPS) RWY 23R
GREENSBORO/ PIEDMONT TRIAD INTL (GSO)



For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F).
DME/DME RNP-0.3 NA.

MALSR



MISSED APPROACH: Climb to 2500
direct JEVN and hold.

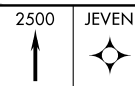
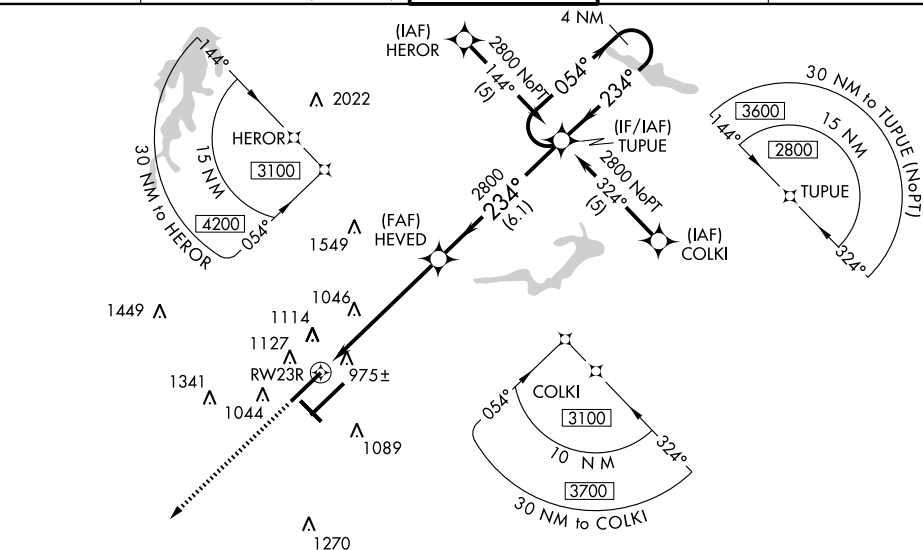
ATIS
128.55

GREENSBORO APP CON
124.35 269.225
118.5 327.075 (250°-049°)
(050°-249°)

GREENSBORO TOWER
119.1 290.325

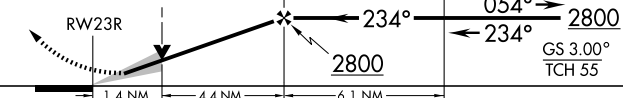
GND CON
121.9 348.6

CLNC DEL
121.75

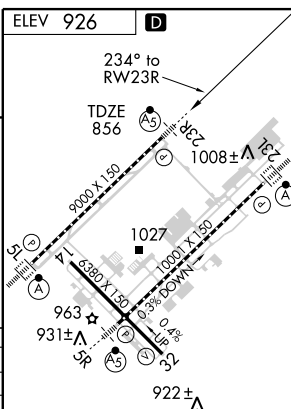


* LNAV only.

* 1.4 NM
to RWY23R



CATEGORY	A	B	C	D
LPV DA		1056/24	200 (200-½)	
LNAV/VNAV DA		1405-1½	549 (500-1½)	
LNAV MDA	1340/24	484 (500-½)	1340/40 484 (500-¾)	1340/50 484 (500-1)
CIRCLING	1440-1	514 (600-1)	1440-1½ 514 (600-1½)	1480-2 554 (600-2)



TDZ/CL Rwy 5L, 23R and 23L
REIL Rwy 32
HIRL Rwy 14-32, 5R-23L and 5L-23R

APP CRS **323°**
Rwy ldg **6380**
TDZE **902**
Apt Elev **926**

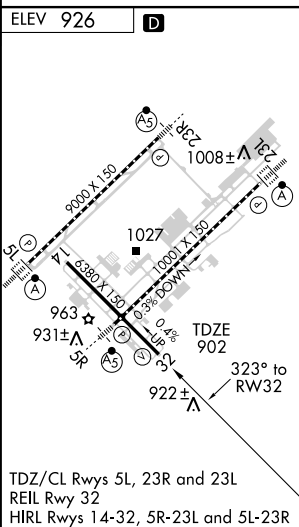
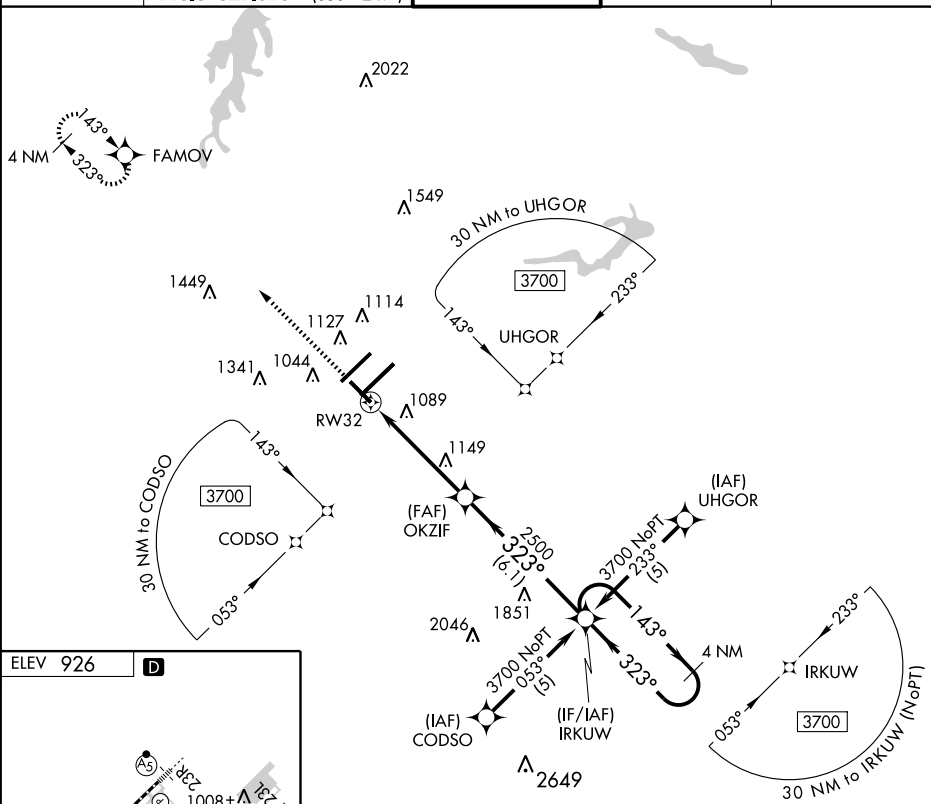
RNAV (GPS) RWY 32

GREENSBORO/ PIEDMONT TRIAD INTL (GSO)

▼ DME/DME RNP-0.3 NA. VDP NA with Winston-Salem altimeter setting. When local altimeter setting not received, use Winston-Salem altimeter setting and increase all MDA 40 feet and increase LNAV Cats C and D visibility ¼ mile.

MISSED APPROACH: Climb to 3200 direct FAMOV and hold.

ATIS 128.55	GREENSBORO APP CON 124.35 269.225 (250° -049°) 118.5 327.075 (050° -249°)	GREENSBORO TOWER 119.1 290.325	GND CON 121.9 348.6	CLNC DEL 121.75
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	3200	FAMOV		
			IRKUW	4 NM Holding Pattern
		1.4 NM to RWY 32	OKZIF	143° → 3700
		3.04° TCH 52		← 323°
		1.4	3.4 NM	6.1 NM
CATEGORY	A	B	C	D
LNAV MDA	1400-1	498 (500-1)	1400-1¼ 498 (500-1¼)	1400-1½ 498 (500-1½)
CIRCLING	1440-1	514 (600-1)	1440-1½ 514 (600-1½)	1480-2 554 (600-2)

SMOKN THREE ARRIVAL (SMOKN.SMOKN3)

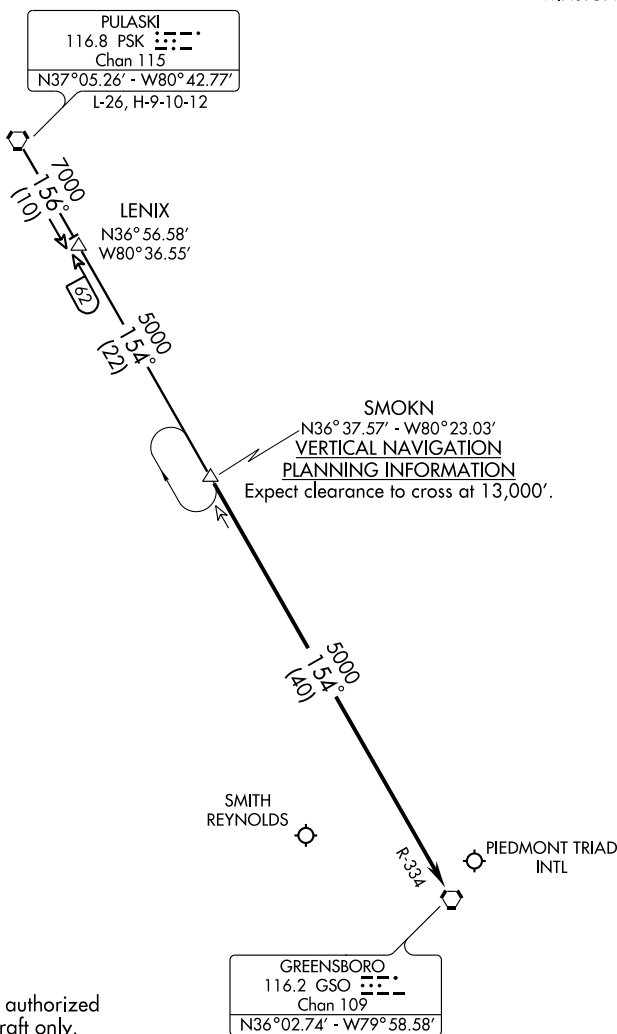
GREENSBORO, NORTH CAROLINA

GREENSBORO ATIS

128.55

WINSTON-SALEM ATIS

121.3



SE-2, 21 OCT 2010 to 18 NOV 2010

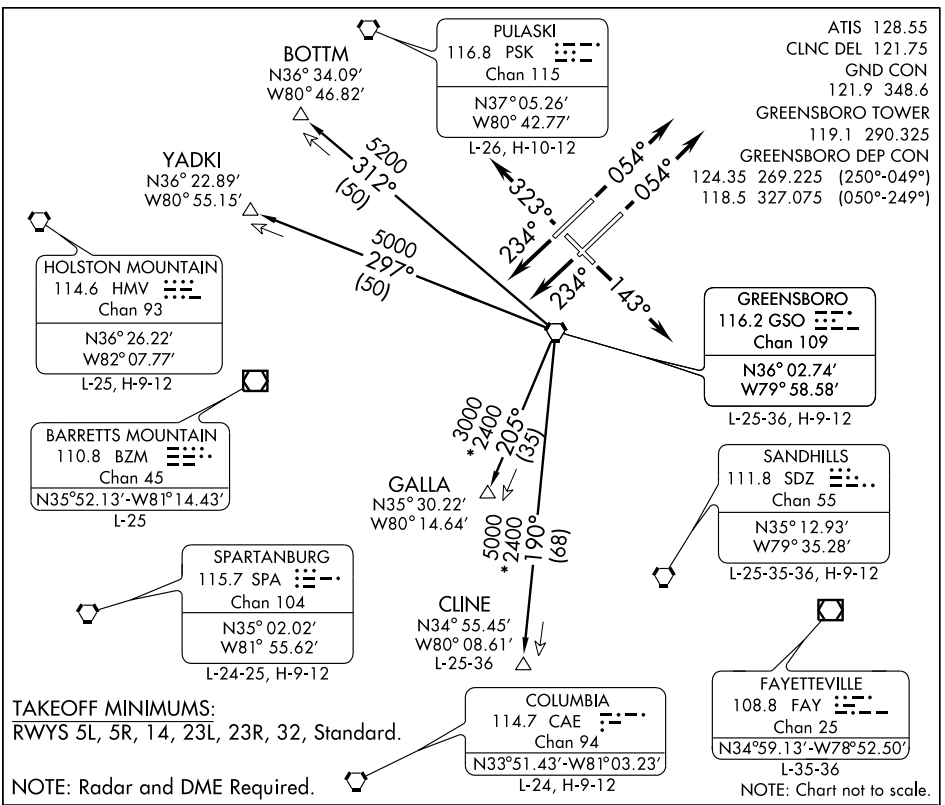
SE-2, 21 OCT 2010 to 18 NOV 2010

PULASKI TRANSITION (PSK.SMOKN3): From over PSK VORTAC via PSK R-156 to LENIX INT. Thence via GSO R-334 to SMOKN INT. Thence....

...From over SMOKN INT via GSO R-334 to GSO VORTAC. Expect radar vectors to final approach course.

SMOKN THREE ARRIVAL (SMOKN.SMOKN3)

GREENSBORO, NORTH CAROLINA



TAKEOFF MINIMUMS:
RWYS 5L, 5R, 14, 23L, 23R, 32, Standard.

NOTE: Radar and DME Required.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 5R: Climb heading 054°. Thence....

TAKEOFF RWY 5L: Climb heading 054°. Thence....

TAKEOFF RWY 14: Climb heading 143°. Thence....

TAKEOFF RWY 23L: Climb heading 234°. Thence....

TAKEOFF RWY 23R: Climb heading 234°. Thence....

TAKEOFF RWY 32: Climb heading 323°. Thence....

Turbojets: Maintain 5000. **Turboprop/Prop:** Maintain 3000 or assigned altitude.

... Expect vector to intercept assigned radial associated with the issued transition. Proceed via the depicted radial to the transition fix; thence as filed. If no transition assigned, expect vector to the appropriate fix. Expect filed altitude/flight level ten minutes after departure.

BOTTM TRANSITION (TRI6.BOTTM): From over GSO VORTAC via GSO R-312 to BOTTM.

CLINE TRANSITION (TRI6.CLINE): From over GSO VORTAC via GSO R-190 to CLINE.

GALLA TRANSITION (TRI6.GALLA): From over GSO VORTAC via GSO R-205 to GALLA.

YADKI TRANSITION (TRI6.YADKI): From over GSO VORTAC via GSO R-297 to YADKI.

TAKEOFF OBSTACLE NOTES:

RWY 5R: Terrain and trees beginning 3' from DER, 499' right of centerline, up to 102' AGL/981' MSL.

Trees 2751' from DER, 1191' left of centerline, 57' AGL/966' MSL.

RWY 5L: Trees beginning 1328' from DER, 524' left of centerline, up to 88' AGL/912' MSL.

RWY 14: Pole and railroad signal beginning 937' from DER, 604' right of centerline, up to 51' AGL/940' MSL.

RWY 23R: Trees beginning 1195' from DER, 191' left of centerline, up to 100' AGL/970' MSL.

Utility pole 170' from DER, 540' left of centerline, 33' AGL/936' MSL.

Trees beginning 1715' from DER, 358' right of centerline, up to 100' AGL/967' MSL.

RWY 23L: Trees beginning 834' from DER, 719' left of centerline, up to 65' AGL/934' MSL.

RWY 32: Trees beginning 1' from DER, 289' right of centerline, up to 90' AGL/1019' MSL.

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

VORTAC GSO 116.2 Chan 109	APP CRS 219°	Rwy Idg TDZE Apt Elev 9601 889 926
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VOR/DME RWY 23L
GREENSBORO/ PIEDMONT TRIAD INTL (GSO)



For inoperative ALSF, increase S-23L
Cat D visibility to RVR 6000.

ALSIF-2



MISSED APPROACH: Climb to 3100 direct GSO
VORTAC and hold, continue climb-in-hold to 3100.

ATIS
128.55

GREENSBORO APP CON
124.35 269.225 (250° -049°)
118.5 327.075 (050° -249°)

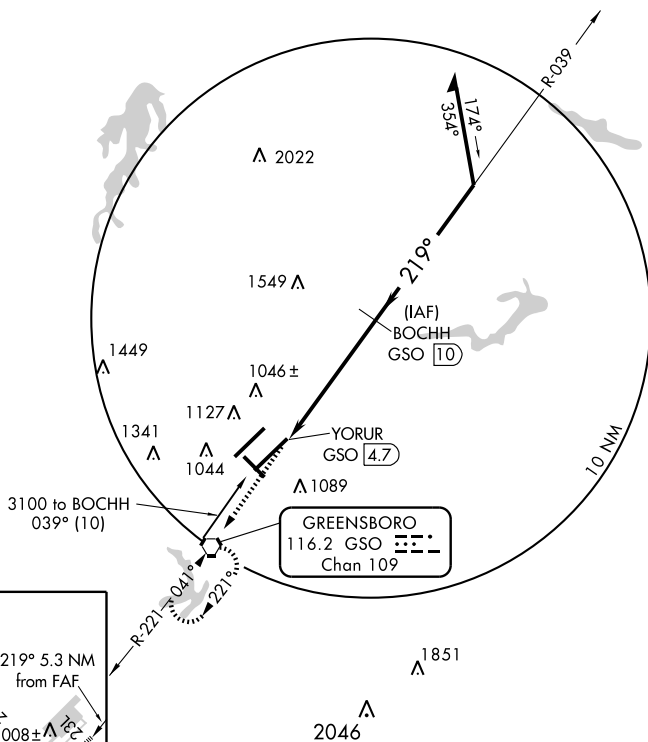
GREENSBORO TOWER
119.1 290.325

GND CON
121.9 348.6

CLNC DEL
121.75

MSA GSO 25 NM

4100



ELEV 926



219° 5.3 NM
from FAF

1008 ±

1000 X 150

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VORTAC GSO
116.2
 Chan **109**

APP CRS
030°

Rwy Idg **10001**
 TDZE **900**
 Apt Elev **926**

VOR RWY 5R

GREENSBORO/PIEDMONT TRIAD INTL (GSO)

▽ Inoperative table does not apply to S-5R Cat D.



MISSED APPROACH: Climb to 1600 then climbing left turn to 3100 via heading 330° and GSO R-360 to MAYOS INT/GSO 16.9 DME and hold.

ATIS
128.55

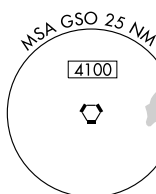
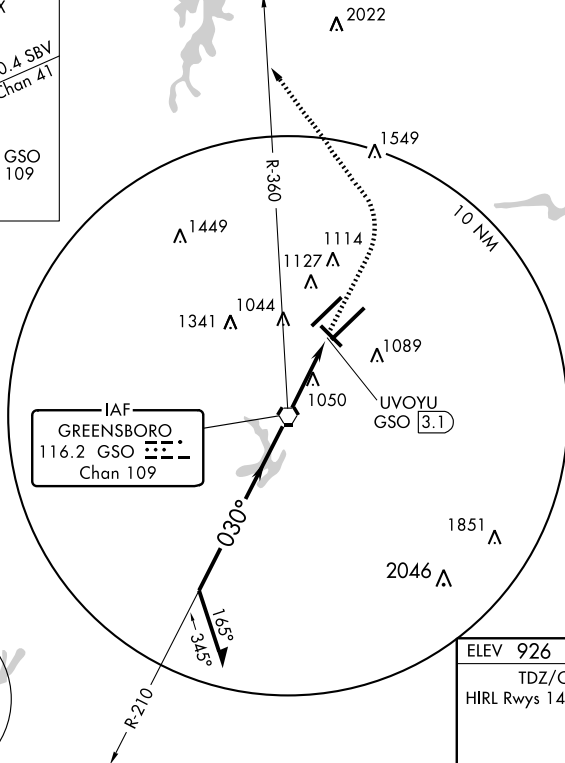
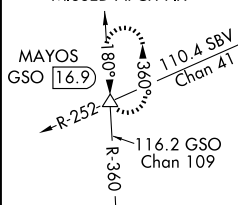
GREENSBORO APP CON
124.35 269.225 (250° -049°)
118.5 327.075 (050° -249°)

GREENSBORO TOWER
119.1 290.325

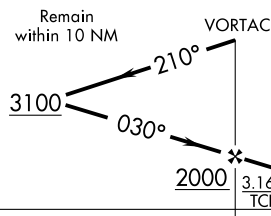
GND CON
121.9 348.6

CLNC DEL
121.75

MISSED APCH FIX



Remain
 within 10 NM



1600
 ↑

3100
 hdg 330°

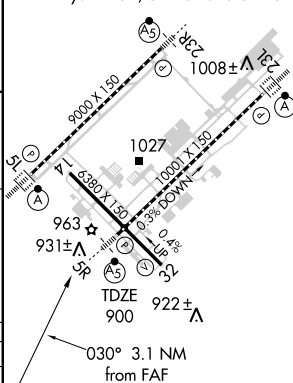
GSO
 R-360

MAYOS
 △

GSO
 2

UVOYU
 GSO 3.1

ELEV 926 **D** REIL Rwy 32
 TDZ/CL Rwy 5L, 23R and 23L
 HIRL Rwy 14-32, 5R-23L and 5L-23R



CATEGORY	A	B	C	D
S-5R	1300/24	400 (400-1/2)		1300/60 400 (400-1/4)
CIRCLING	1440-1	514 (600-1)	1440-1 1/2 514 (600-1 1/2)	1480-2 554 (600-2)

FAF to MAP 3.1 NM					
Knots	60	90	120	150	180
Min:Sec	3:06	2:04	1:33	1:14	1:02

10210

AIRPORT DIAGRAM

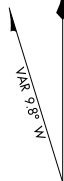
AL-5521 (FAA)

GREENVILLE/PITT-GREENVILLE (PGV)
GREENVILLE, NORTH CAROLINA

AWOS-3
128.425
CTAF/UNICOM
122.8
CLNC DEL
122.35 (RALEIGH)

D

JANUARY 2010
ANNUAL RATE OF CHANGE
0.0° W

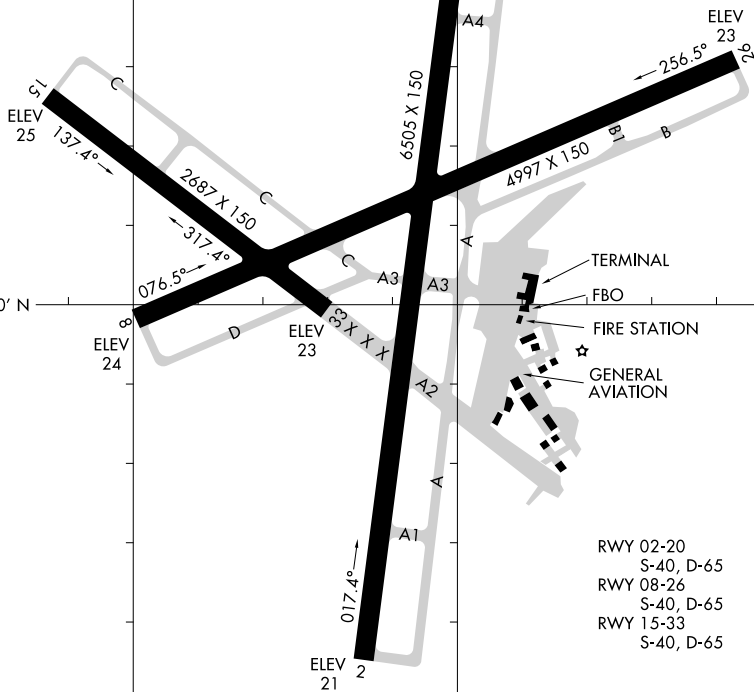


FIELD
ELEV
26

35° 38.5' N

35° 38.0' N

35° 37.5' N



77° 23.5' W

77° 23.0' W

77° 22.5' W

AIRPORT DIAGRAM

GREENVILLE, NORTH CAROLINA
GREENVILLE/PITT-GREENVILLE (PGV)

10210

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

GREENVILLE

PITT—GREENVILLE (PGV) 2 N UTC−5(−4DT) N35°38.12' W77°23.12'

CHARLOTTE

26 B S4 FUEL 100LL, JET A ARFF Index—See Remarks NOTAM FILE PGV

H-9C, 12H, L-35C

RWY 02-20: H6505X150 (ASPH-GRVD) S-40, D-65 HIRL

IAP, AD

RWY 02: REIL. PAPI(P4L)—GA 3.0° TCH 42'. Trees.

RWY 20: MALSR. PAPI(P4L)—GA 3.0° TCH 25'. Thld dsplcd 350'.
Trees.

RWY 08-26: H4997X150 (ASPH) S-40, D-65 MIRL

RWY 08: REIL. PAPI(P4L)—GA 4.0° TCH 42'. Trees.

RWY 26: REIL. PAPI(P4L)—GA 3.0° TCH 31'. Pole.

RWY 15-33: H2687X150 (ASPH) S-40, D-65

RWY 15: Trees. RWY 33: Trees.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 02: TORA-6505 TODA-6505 ASDA-6505 LDA-6505

RWY 08: TORA-4997 TODA-4997 ASDA-4997 LDA-4997

RWY 15: TORA-2687 TODA-2687 ASDA-2687 LDA-2687

RWY 20: TORA-6505 TODA-6505 ASDA-6505 LDA-6157

RWY 26: TORA-4997 TODA-4997 ASDA-4997 LDA-4997

RWY 33: TORA-2687 TODA-2687 ASDA-2687 LDA-2687

AIRPORT REMARKS: Attended Mon-Fri 1030-0430Z†, Sat

1030-0300Z†, Sun 1030-0430Z†. Rwy 15-33 multiple large

cracks in pavement. Grass growing out of cracks. Class I, ARFF

Index B. CLOSED to unscheduled air carrier opr with more than 30

passenger seats except 24 hr PPR call arpt manager 252-758-4707. Index C ARFF equip avbl upon req. 24 hr

helicopter ops at hospital 1.5 NM SSW of arpt; monitoring CTAF. Lgt'd windsock OTS indef. Rwy 15-33 non-acr

acft only. ACTIVATE MIRL Rwy 08-26, HIRL Rwy 02-20 and MALSR Rwy 20—CTAF. PAPI Rwy 02, Rwy 20, Rwy 08

and Rwy 26 opr continuous.

WEATHER DATA SOURCES: AWOS-3 128.425 (252) 758-6485.

COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.35 (RALEIGH RADIO)

⑤ WASHINGTON CENTER APP/DEP CON 135.5

CLNC DEL 122.35 (RALEIGH RADIO)

AIRSPACE: CLASS E svc 1100-0500Z† other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

TAR RIVER (L) VORTAC 117.8 TYI Chan 125 N35°58.61' W77°42.23' 148° 25.7 NM to fld. 70/05W.

ALWOOD NDB (MHW) 230 AQE N35°42.41' W77°22.31' 198° 4.3 NM to fld. NOTAM FILE PGV.

ILS/DME 110.7 I-PGV Chan 44. Rwy 20. Class IB. LOC unmonitored 0430-1100Z†. DME unmonitored. GS
unmonitored.

GREON N35°47.82' W78°52.98' NOTAM FILE RDU.

CHARLOTTE

NDB (LOM) 382 RD 051° 6.7 NM to Raleigh-Durham Intl. (Unmonitored)

HALIFAX—NORTHAMPTON RGNL (See ROANOKE RAPIDS)

HARNETT RGNL JETPORT (See ERWIN)

LOC/DME I-PGV 110.7 Chan 44	APP CRS 197°	Rwy Idg TDZE 27 Apt Elev 27	6157
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ILS or LOC RWY 20

GREENVILLE/ PITT-GREENVILLE (PGV)

ADF or DME REQUIRED NA	MALSR 	MISSED APPROACH: Climb to 800 then climbing right turn to 1600 via ISO R-029 to AQE NDB/I-PGV 5 DME and hold.
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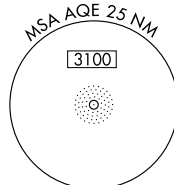
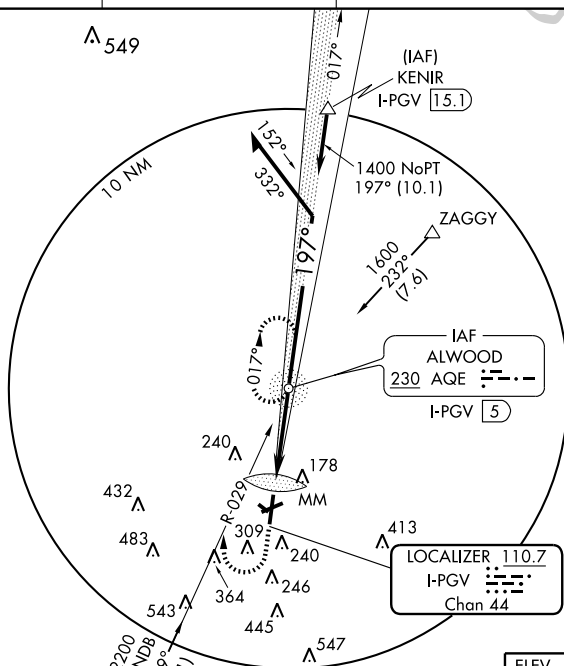
AWOS-3
128.425

WASHINGTON CENTER
135.5 281.42

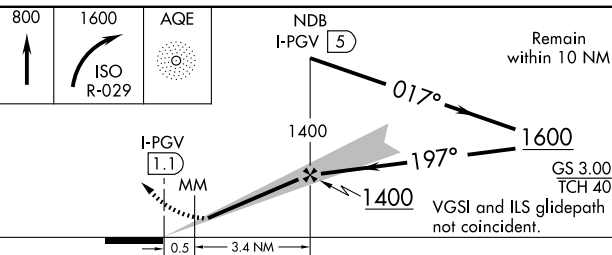
RALEIGH CLNC DEL
122.35

UNICOM
122.8 (CTAF) 0

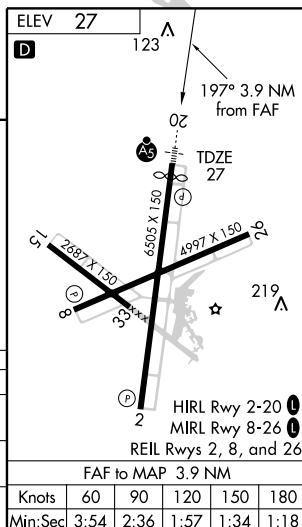
△ 549



KINSTON
109.6 ISO
Chan 33



CATEGORY	A	B	C	D
S-ILS 20	227-1/2 200 (200-1/2)			
S-LOC 20	400-1/2 374 (400-1/2)		400-3/4 400 (374-3/4)	
CIRCLING	580-1 553 (600-1)		580-1 1/2 553 (600-1 1/2)	580-2 553 (600-2)



APP CRS **017°**
 Rwy Idg **6505**
 TDZE **25**
 Apt Elev **27**

RNAV (GPS) RWY 2

GREENVILLE/ PITT-GREENVILLE (PGV)

V GPS or RNP-0.3 Required.
Δ NA DME/DME RNP-0.3 NA.

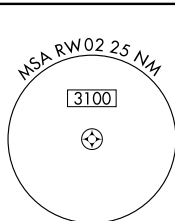
MISSED APPROACH: Climb to 2100 direct
 KENIR WP and hold.

AWOS-3
128.425

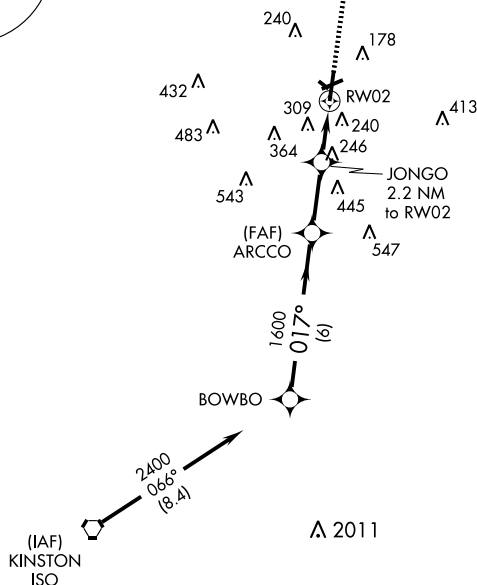
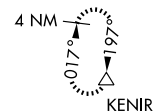
WASHINGTON CENTER
135.5 281.42

RALEIGH CLNC DEL
122.35

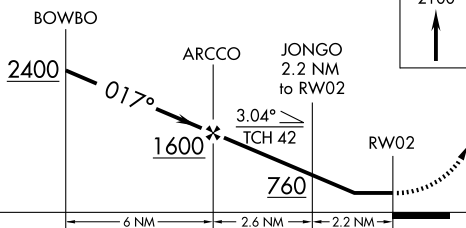
UNICOM
122.8 (CTAF) 0



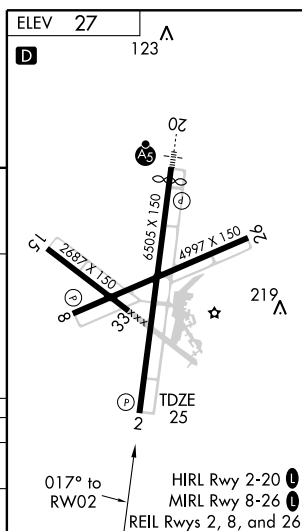
MISSED APCH FIX



Procedure
 Turn
 NA



2100 KENIR

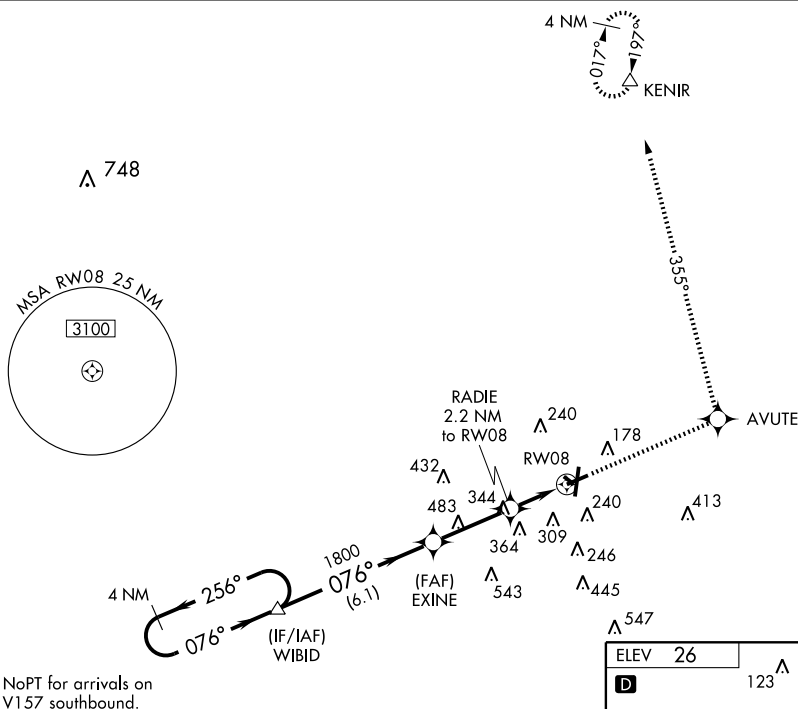



CATEGORY	A	B	C	D
RNAV MDA	560-1 535 (600-1)	560-1½ 535 (600-1½)	560-1¾ 535 (600-1¾)	560-2 535 (600-2)
CIRCLING	580-1 553 (600-1)	580-1½ 553 (600-1½)	580-2 553 (600-2)	580-2 553 (600-2)

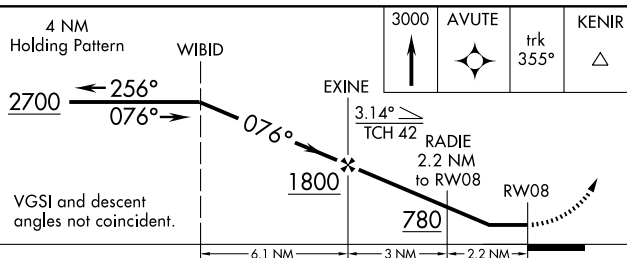
RNAV (GPS) RWY 8

GREENVILLE/ PITT-GREENVILLE (PGV)

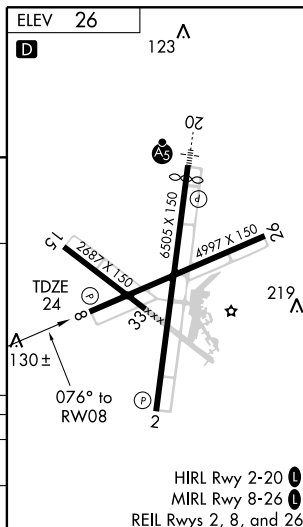
MISSED APPROACH: Climb to 3000 direct AVUTE and via 355° track to KENIR and hold.

UNICOM
122.8 (CTAF) 

NoPT for arrivals on
V157 southbound.



CATEGORY	A	B	C	D
LNAV MDA	500-1	476 (500-1)	500-1¼ 476 (500-1¼)	500-1½ 476 (500-1½)
CIRCLING	620-1	594 (600-1)	620-1½ 594 (600-1½)	620-2 594 (600-2)



GREENVILLE/ PITT-GREENVILLE (PGV)
RNAV (GPS) RWY 8

WAAS CH 53711 W26A	APP CRS 256°	Rwy Idg 4997 TDZE 24 Apt Elev 26
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RNAV (GPS) RWY 26

GREENVILLE/ PITT-GREENVILLE (PGV)

⚠ Baro-VNAV NA when using Washington altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received use Washington altimeter setting and increase all DA 41 feet and all MDA 60 feet, increase LPV and LNAV/VNAV all Cats, LNAV Cat C and D, and Circling Cat C visibilities ¼ mile.

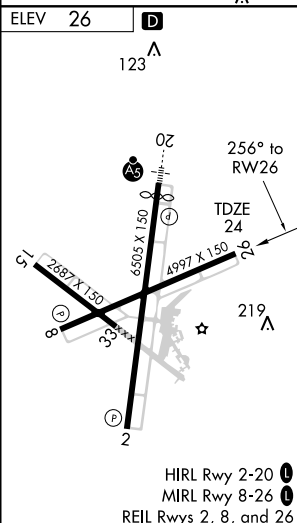
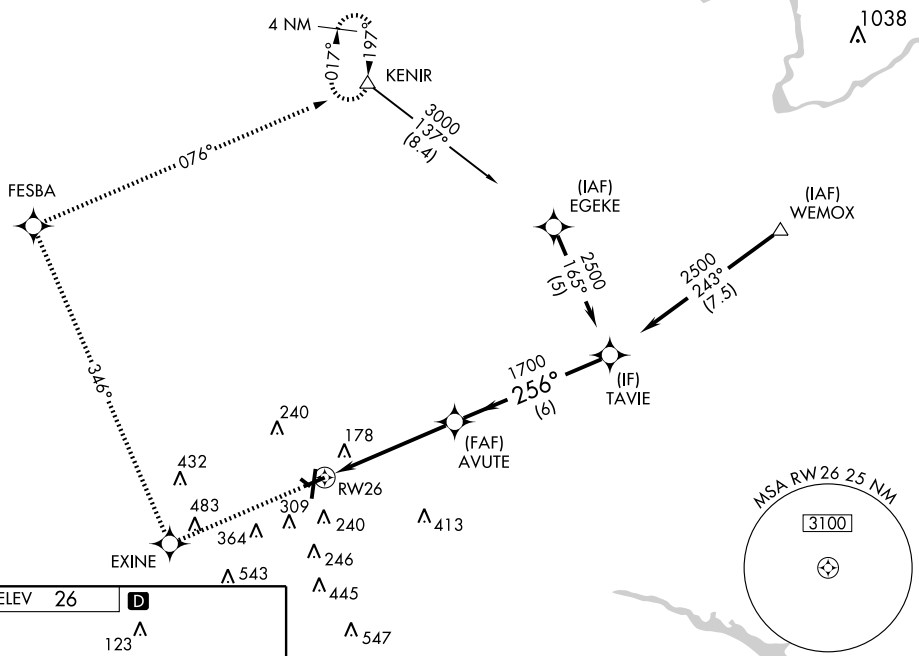
MISSED APPROACH: Climb to 3000 direct EXINE and via 346° track to FESBA and via 076° track to KENIR and hold.

AWOS-3
128.425

WASHINGTON CENTER
135.5 281.42

RALEIGH CLNC DEL
122.35

UNICOM
122.8 (CTAF) 0



3000 ↑	EXINE ✱	trk 346° ✱	FESBA ✱	trk 076° ✱	KENIR △	TAVIE Procedure Turn NA	
						2500 GS 3.00° TCH 45 VGSI and descent angles not coincident.	
CATEGORY	A		B		C		D
LPV DA	335-1 311 (400-1)						
LNAV/DA VNAV	464-1½ 440 (500-1½)						
LNAV MDA	520-1 496 (500-1)				520-1¼ 496 (500-1¼)		520-1½ 496 (500-1½)
CIRCLING	620-1 594 (600-1)				620-1½ 594 (600-1½)		620-2 594 (600-2)

HATTERAS**BILLY MITCHELL** (HSE) 4 E UTC-5(-4DT) N35°13.97' W75°37.07'**CHARLOTTE**

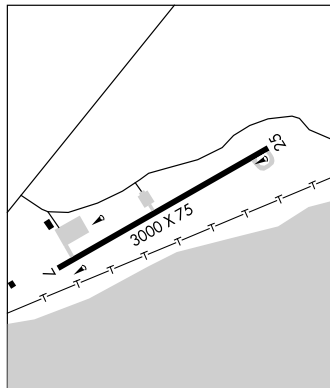
17 NOTAM FILE HSE

L-35C**RWY 07-25:** H3000X75 (ASPH) S-30**IAP****RWY 07:** Brush. **RWY 25:** Tree.

AIRPORT REMARKS: Unattended. Arpt CLOSED 30 minutes after SS until 30 minutes before SR. All ngt time ops prohibited. Flocks of seagulls on and invof arpt. High speed-low level military ops invof arpt. Arpt is within Cape Hatteras National Seashore. Maintain 2000 ft vertical and horizontal distance from seashore beaches. Additional acft parking avbl on N apron.

WEATHER DATA SOURCES: ASOS 118.375 (252) 995-3646.**COMMUNICATIONS:** CTAF 122.9**HATTERAS RCO** 122.3 (RALEIGH RADIO)**CHERRY POINT APP/DEP CON** 119.75 (North)**RADIO AIDS TO NAVIGATION:** NOTAM FILE ECG.**ELIZABETH CITY (L) VOR/DME** 112.5 ECG Chan 72 N36°15.46'

W76°10.54' 163° 67.2 NM to fld. 10/07W.

HIWAS.**HATTERAS** N35°14.01' W75°37.06'**CHARLOTTE****RCO** 122.3 (RALEIGH RADIO) at Billy Mitchell.**L-35C****HENDERSON FLD** (See WALLACE)**HENDERSON-OXFORD** (See OXFORD)**HENDERSONVILLE** (ØA7) 2 E UTC-5(-4DT) N35°18.46' W82°25.99'**ATLANTA**2084 S4 **FUEL** 100LL NOTAM FILE RDU**L-25C****RWY 15-33:** H3075X40 (ASPH) S-10 LIRL**RWY 15:** Thld dspcd 270'. Trees.**RWY 33:** Thld dspcd 325'. Road.

AIRPORT REMARKS: Attended continuously. For svc after hrs call 828-693-1897. Acft parked 40' from edge of Rwy 15-33 S end. **ACTIVATE LIRL** Rwy 15-33-CTAF. Ldg fee. \$10.00 fee for acft over 6000 lbs or turbine.

COMMUNICATIONS: CTAF/UNICOM 123.0**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.

SUGARLOAF MOUNTAIN (L) VORTAC 112.2 SUG Chan 59 N35°24.39' W82°16.12' 236° 10 NM to fld. 3970/02W.

HIATT (See THOMASVILLE)

APP CRS **067°**
 Rwy ldg **3000**
 TDZE **15**
 Apt Elev **17**

RNAV (GPS) RWY 7

HATTERAS/BILLY MITCHELL (HSE)



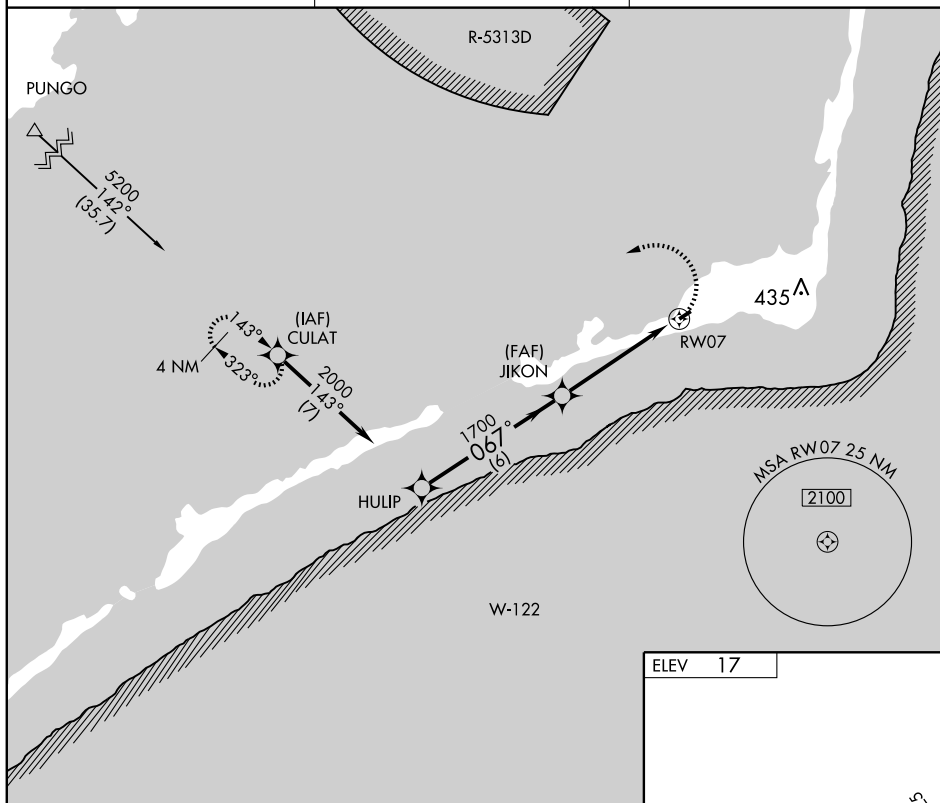
Procedure not authorized at night.
 GPS or RNP-0.3 Required.
 DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing left turn
 to 6000 direct CULAT WP and hold.

ASOS
118.375

CHERRY POINT APP CON
119.75 360.775

CTAF
122.9



ELEV **17**

Procedure
 Turn
 NA

HULIP
2000

JIKON

3.08°
 TCH 55

1.4 NM to
 RW07

6000

CULAT

Λ 246±

TDZE
 15

067° to
 RW07

CATEGORY	A	B	C	D
LNNAV MDA	500-1	485 (500-1)	500-1¼ 485 (500-1¼)	NA
CIRCLING	560-1	543 (600-1)	560-1½ 543 (600-1½)	NA

APP CRS	Rwy Idg	3000
232°	TDZE	17
	Apt Elev	17

RNAV (GPS) RWY 25

HATTERAS/BILLY MITCHELL (HSE)



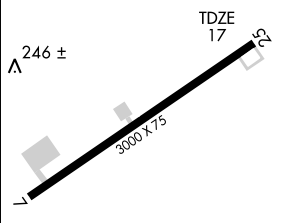
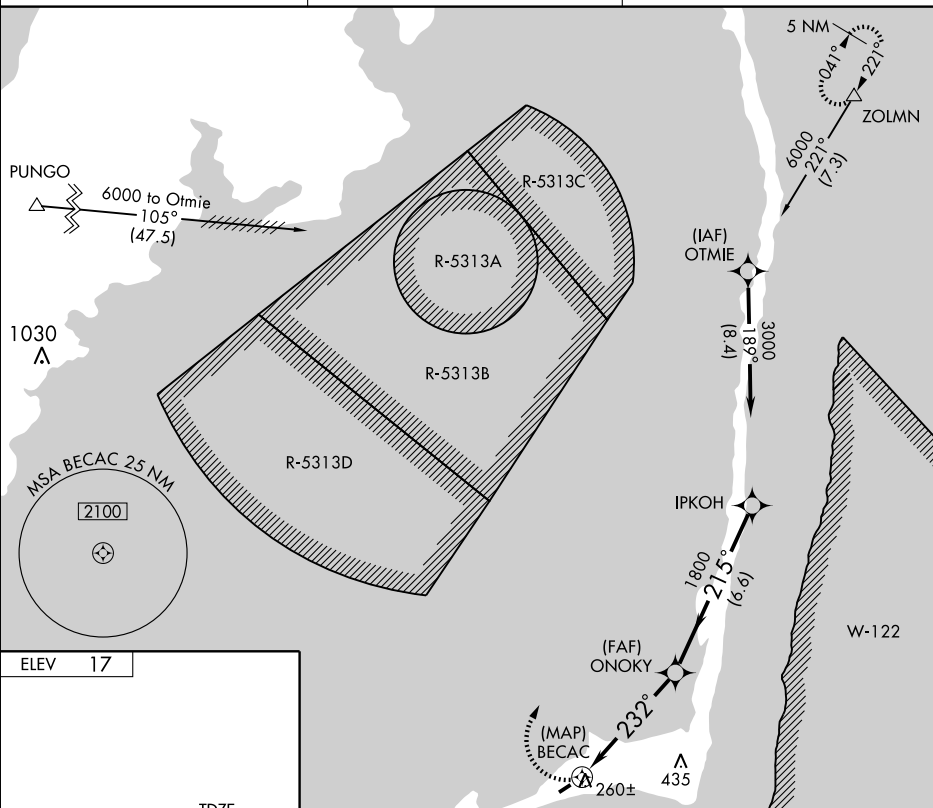
Procedure not authorized at night.
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing right turn to 6000
via course 032° to ZOLMN WP and hold.

ASOS
118.375

CHERRY POINT APP CON
119.75 360.775

CTAF
122.9



	6000 ZOLMN CRS 032°		ONOKY		IPKOH	
	BECAC		ONOKY		3000	
	232°		215°		1800	
	3.00°		TCH 40		Procedure Turn NA	
	0.5		5 NM		6.6 NM	
CATEGORY	A		B		C	
LNAV MDA	520-1		503 (600-1)		520-1½ 503 (600-1½)	
CIRCLING	560-1		543 (600-1)		560-1½ 543 (600-1½)	
					NA	

AIRPORT DIAGRAM

AL-706 (FAA)

HICKORY RGNL (HKY)
HICKORY, NORTH CAROLINA

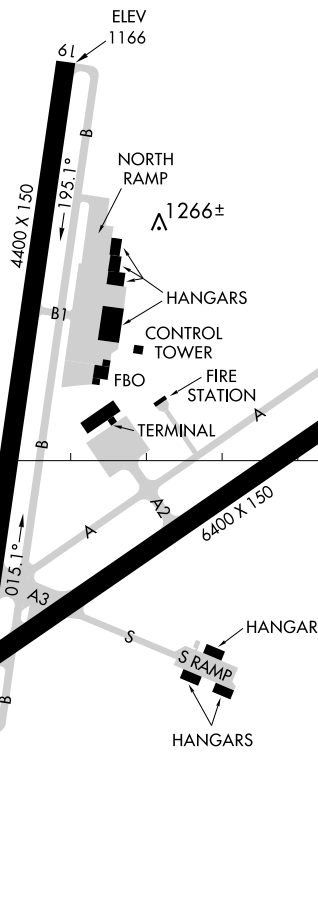
ASOS
118.325
HICKORY TOWER ★
128.15
GND CON
121.7
CLNC DEL
121.7

81°23.5'W

81°23.0'W

35°45.0'N

VAR 7.0° W
JANUARY 2010
ANNUAL RATE OF CHANGE
0.1° W

FIELD
ELEV
1190

35°44.5'N

RWY 01-19
S-30, D-40
RWY 06-24
S-32, D-55

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READEBACK OF ALL RUNWAY HOLDING INSTRUCTIONS
IS REQUIRED.

AIRPORT DIAGRAM

HICKORY, NORTH CAROLINA
HICKORY RGNL (HKY)

HICKORY**HICKORY RGNL** (HKY) 3 W UTC-5(-4DT) N35°44.47' W81°23.37'

CHARLOTTE

1190 B S4 FUEL 100LL, JET A Class I, ARFF Index A NOTAM FILE HKY

H-9B, 12H, L-25D

RWY 06-24: H6400X150 (ASPH-GRVD) S-32, D-55 HIRL 0.8% up NE

IAP, AD

RWY 06: REIL. VASI(V4L)—GA 3.0° TCH 49'. Trees.

RWY 24: MALSR. PAPI(P4L)—GA 3.0° TCH 54'.

RWY 01-19: H4400X150 (ASPH) S-30, D-40 MIRL 0.6% up N

RWY 01: REIL. PAPI(P4L). Tree.

RWY 19: REIL. VASI(V4R)—GA 3.0° TCH 32'.

AIRPORT REMARKS: Attended continuously. Limited svcs avbl

0400-1100Z±. Txf Rwy 19 prohibited when twr closed. No practice IFR apchs between 2100-0000Z±. CLOSED to unscheduled air carrier opr with more than 30 passenger seats except 24 hr PPR call arpt manager 828-323-7408. No line of sight between Rwy 19 and Rwy 24. ACTIVATE HIRL Rwy 06-24, MIRL Rwy 01-19, PAPI Rwy 24, REIL Rwy 01 and MALSR Rwy 24—CTAF (0400-1200Z±).

WEATHER DATA SOURCES: ASOS 118.325 (828) 322-2996.**COMMUNICATIONS:** CTAF 128.15

RCO 122.6 122.2 (RALEIGH RADIO)

Ⓡ ATLANTA CENTER APP/DEP CON 125.15 CLNC DEL 124.25 (When twr clsd)

TOWER 128.15 (1200-0400Z±) GND CON 121.7

CLNC DEL 121.7

AIRSPACE: CLASS D svc 1200-0400Z± other times CLASS E.**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.

BARRETT'S MOUNTAIN (L) VOR/DME 110.8 BZM Chan 45 N35°52.13' W81°14.43' 230°10.6 NM to fld.
1880/06W.

TAWBA NDB (MHW/LOM) 332 HK N35°47.19' W81°18.32' 243° 4.9 NM to fld. NOTAM FILE HKY.

ILS 108.7 I-HKY Rwy 24. LOM TAWBA NDB.

**WILSON'S** (E40) 4 S UTC-5(-4DT) N35°39.12' W81°21.47'

CHARLOTTE

985 NOTAM FILE RDU

RWY 17-35: 2175X70 (TURF)

RWY 17: Trees. RWY 35: Trees.

AIRPORT REMARKS: Unattended. Arpt open dalgt hrs only. 130' AGL unmarked p-lines 1000' N and E of rwy. Rwy 35 slopes uphill. Last half of Rwy 17 slopes downhill—dep end of Rwy 35 is 6' lower than opposite end.

COMMUNICATIONS: CTAF 122.9**HIMUN** N35°58.69' W79°35.08' NOTAM FILE BUY.

CINCINNATI

NDB (MHW/LOM) 361 HB 044° 6.8 NM to Burlington-Alamance Rgnl.

L-25E, 36F

HINSHAW (GREENACRES) (See LIBERTY)**HOLLY RIDGE/TOPSAIL ISLAND** (N21) 1 SE UTC-5(-4DT) N34°29.46' W77°31.86'

CHARLOTTE

40 NOTAM FILE RDU

RWY 14-32: 3600X88 (TURF) RWY LGTS (NSTD)

RWY 14: Thld dsplcd 925'. P-line. RWY 32: Thld dsplcd 600'. P-line.

AIRPORT REMARKS: Attended irregularly. Deer on and invof arpt. Rwy 14-32 lgtd thld Rwy 14 relocated 925'; Rwy 32 lgtd thld relocated 600'; 2000' of Rwy 14-32 usable for ngt ops. (A51) Dsplcd thlds indicated by end of rwy lgts and yellow cones.

COMMUNICATIONS: CTAF 122.9**HORACE WILLIAMS** (See CHAPEL HILL)**HUNTSBORO** N36°18.03' W78°37.12' NOTAM FILE RDU.

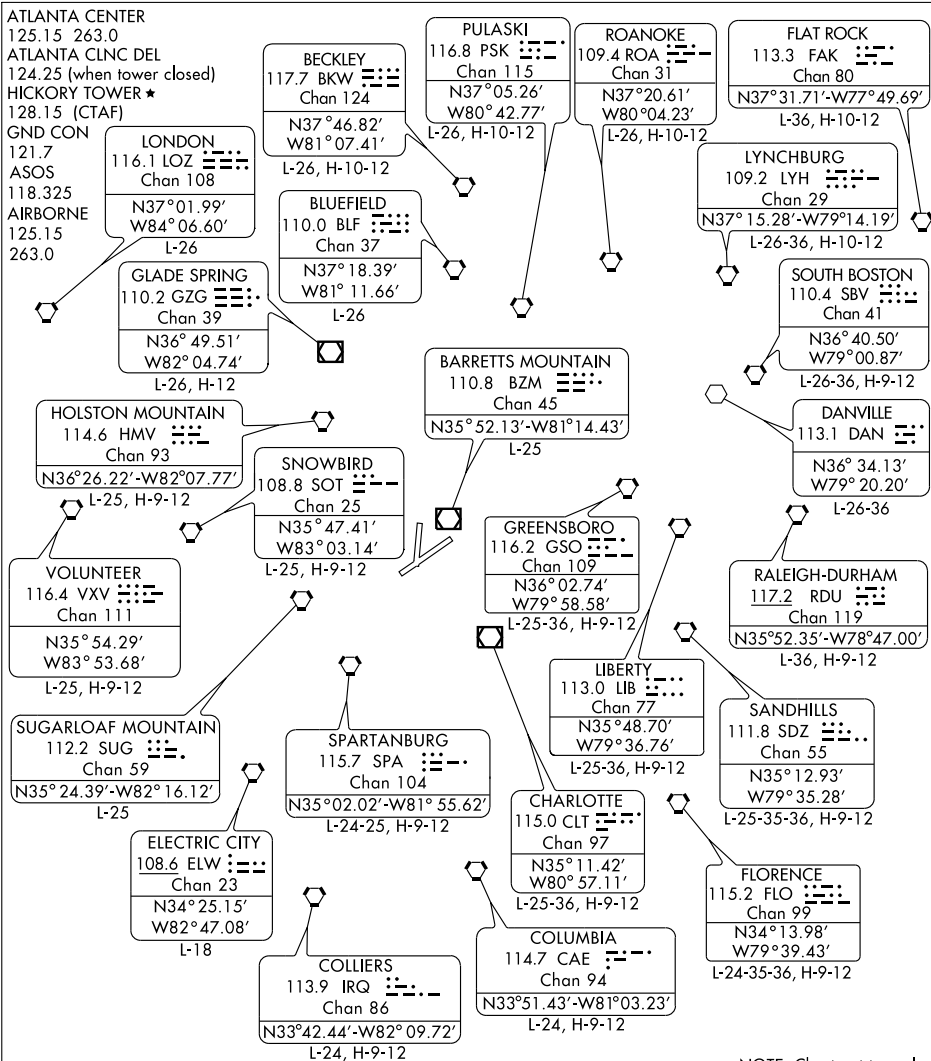
WASHINGTON

NDB (MHW) 271 HXO 057° 5.7 NM to Henderson-Oxford.

L-36G

HURDLE FLD (See MEBANE)

HICKORY ONE DEPARTURE



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Fly runway heading, or heading assigned by ATC, Thence....

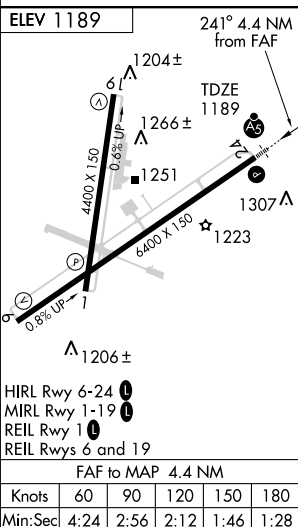
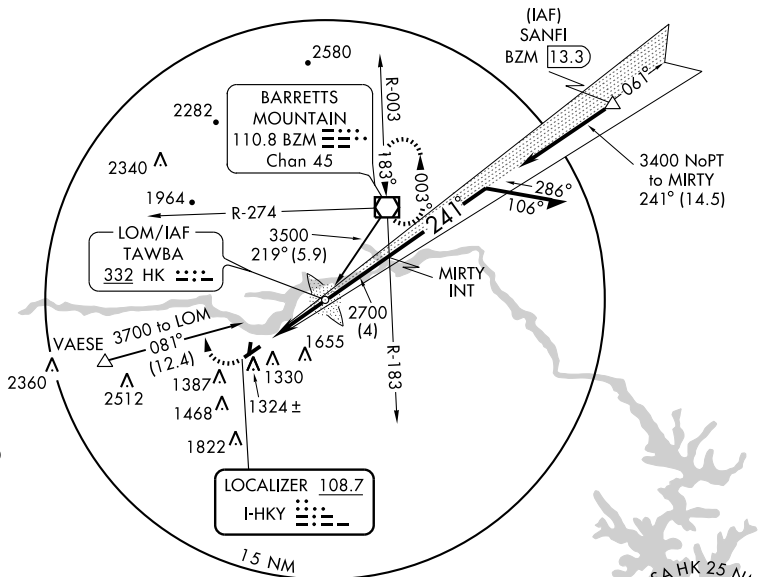
....Expect radar vectors to join filed route. All aircraft maintain 4000 feet, or assigned altitude. Expect filed altitude/flight level ten minutes after departure.

LOC I-HKY 108.7	APP CRS 241°	Rwy Idg TDZE Apt Elev 6400 1189
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ILS or LOC RWY 24

HICKORY RGNL (HKY)

			MISSED APPROACH: Climb to 1600 then climbing right turn to 4000 via heading 340° and BZM R-274 to BZM VOR/DME and hold.		
ASOS 118.325	ATLANTA CENTER 125.15 263.0	HICKORY TOWER ★ 128.15 (CTAF)	ATLANTA CLNC DEL 124.25 (when tower closed)	GND CON 121.7	CLNC DEL 121.7



1600 ↑ 4000 HDG 340° BZM R-274		BZM 110.8		LOM 2687 061° 241° 2700 3200 GS 3.00° TCH 54		Remain within 10 NM	
CATEGORY		A	B	C	D		
S-ILS 24		1389-½		200 (200-½)			
S-LOC 24		1560-½		371 (400-½)		1560-¾ 371 (400-¾)	
CIRCLING		1640-1 451 (500-1)		1640-1½ 451 (500-1½)		1740-2 551 (600-2)	

APP CRS	Rwy Idg	4400
014°	TDZE	1154
	Apt Elev	1189

RNAV (GPS) RWY 1

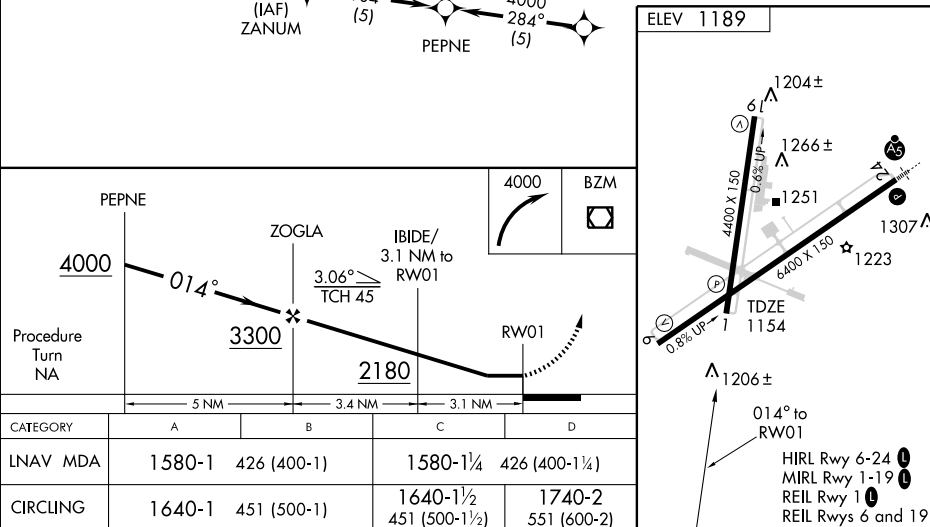
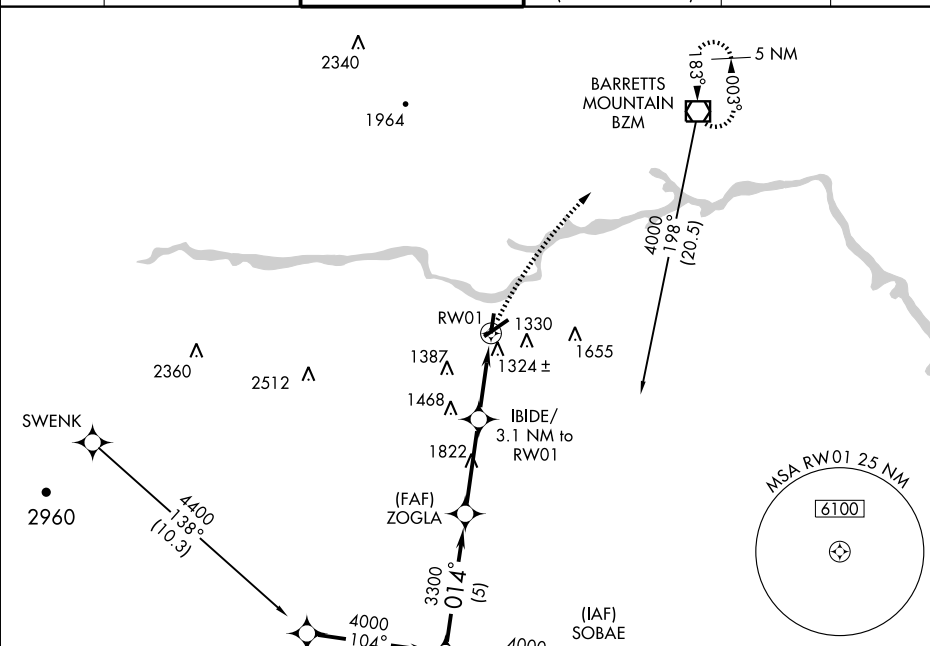
HICKORY RGNL (HKY)



GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing right turn to 4000 direct BZM VOR/DME and hold.

ASOS 118.325	ATLANTA CENTER 125.15 263.0	HICKORY TOWER ★ 128.15 (CTAF) 0	ATLANTA CLNC DEL 124.25 (when tower closed)	GND CON 121.7	CLNC DEL 121.7
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APP CRS	Rwy Idg	6400
061°	TDZE	1151
	Apt Elev	1189

RNAV (GPS) RWY 6

HICKORY RGNL (HKY)

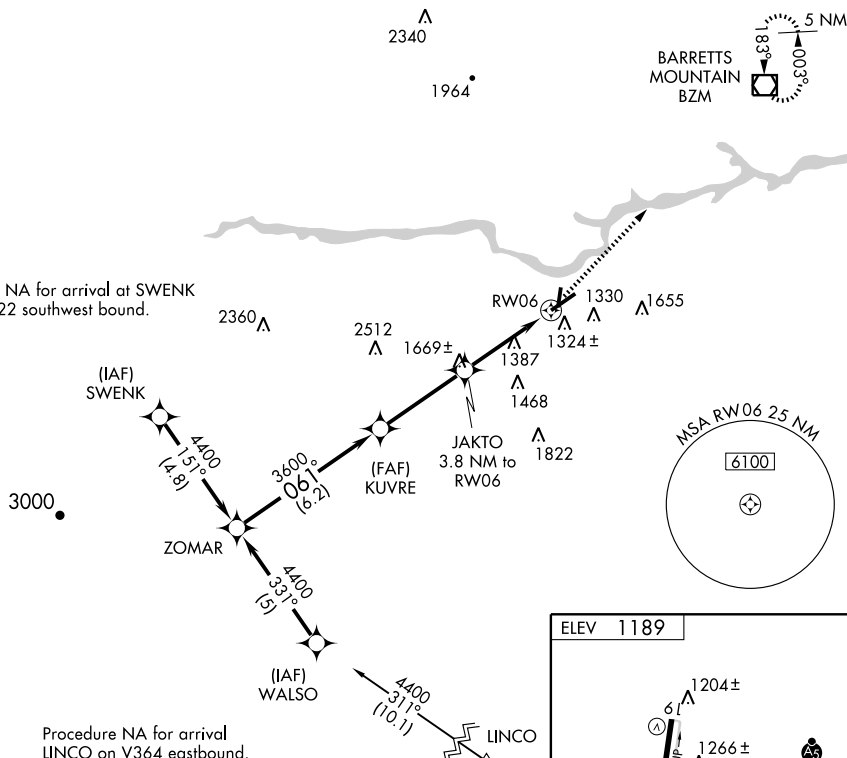


GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

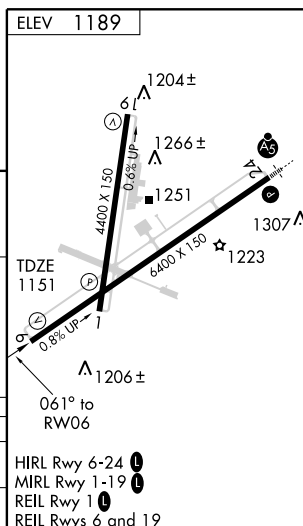
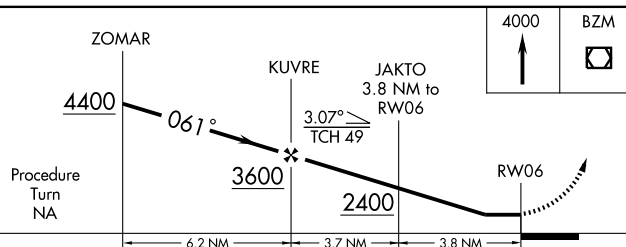
MISSED APPROACH: Climb to 4000 direct BZM
VOR/DME and hold.

ASOS 118.325	ATLANTA CENTER 125.15 263.0	HICKORY TOWER ★ 128.15 (CTAF) 0	ATLANTA CLNC DEL 124.25 (when tower closed)	GND CON 121.7	CLNC DEL 121.7
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Procedure NA for arrival at SWENK
on V20-222 southwest bound.



Procedure NA for arrival
LINCO on V364 eastbound.



CATEGORY	A	B	C	D
LNNAV MDA	1640-1	489 (500-1)	1640-1½ 489 (500-1½)	1640-1½ 489 (500-1½)
CIRCLING	1640-1	451 (500-1)	1640-1½ 451 (500-1½)	1740-2 551 (600-2)

HIRL Rwy 6-24 **0**
MIRL Rwy 1-19 **0**
REIL Rwy 1 **0**
REIL Rwy 6 and 19

APP CRS	Rwy Idg	4400
194°	TDZE	1167
	Apt Elev	1189

RNAV (GPS) RWY 19

HICKORY RGNL (HKY)



A NA

GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2000 then climbing left turn to 4000 direct BZM VOR/DME and hold.

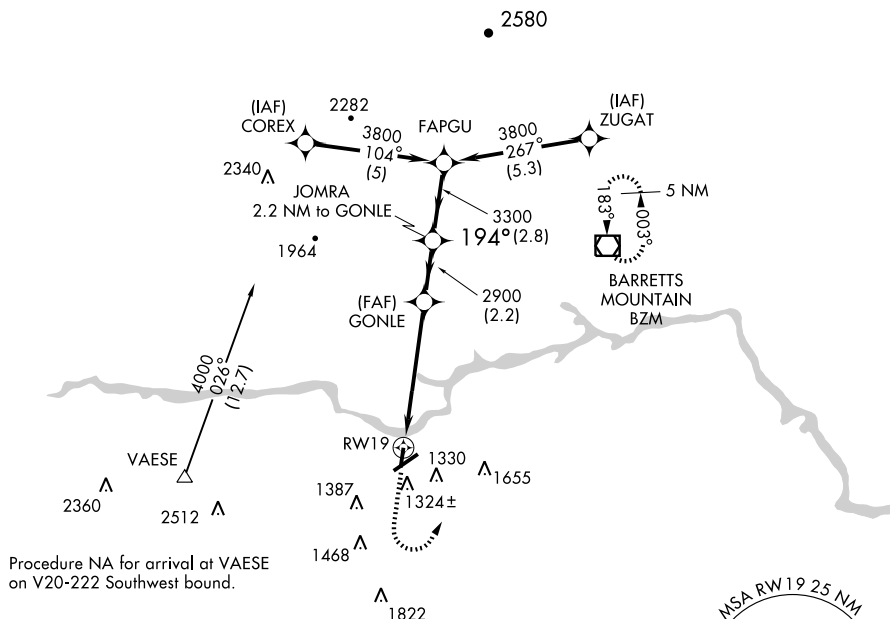
ASOS
118,325

ATLANTA CENTER
125.15 263.0

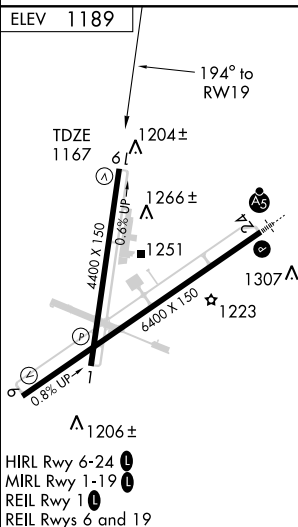
HICKORY TOWER ★
128.15 (CTAF) L

ATLANTA CLNC DEL
124.25
(when tower closed)

GND CON
121.7

CLNC DEL
121.7

Procedure NA for arrival at VAESE
on V20-222 Southwest bound.



HICKORY, NORTH CAROLINA

Orig 08101

35°44'N-81°23'W

HICKORY RGNL (HKY)

RNAV (GPS) RWY 19

SE-2, 21 OCT 2010 to 18 NOV 2010

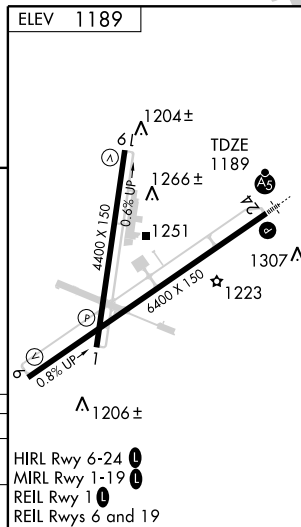
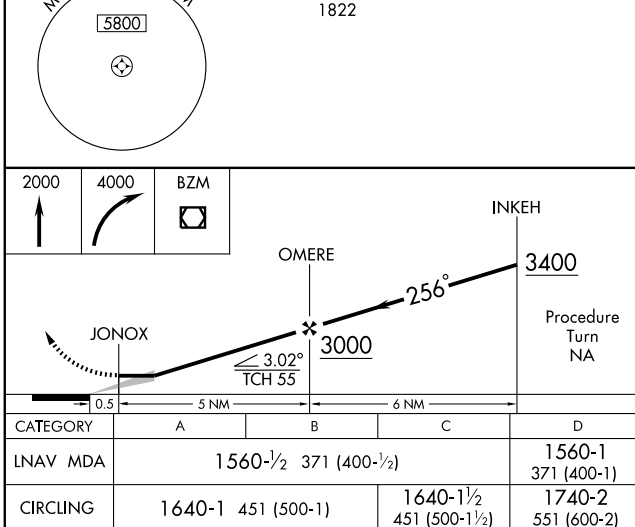
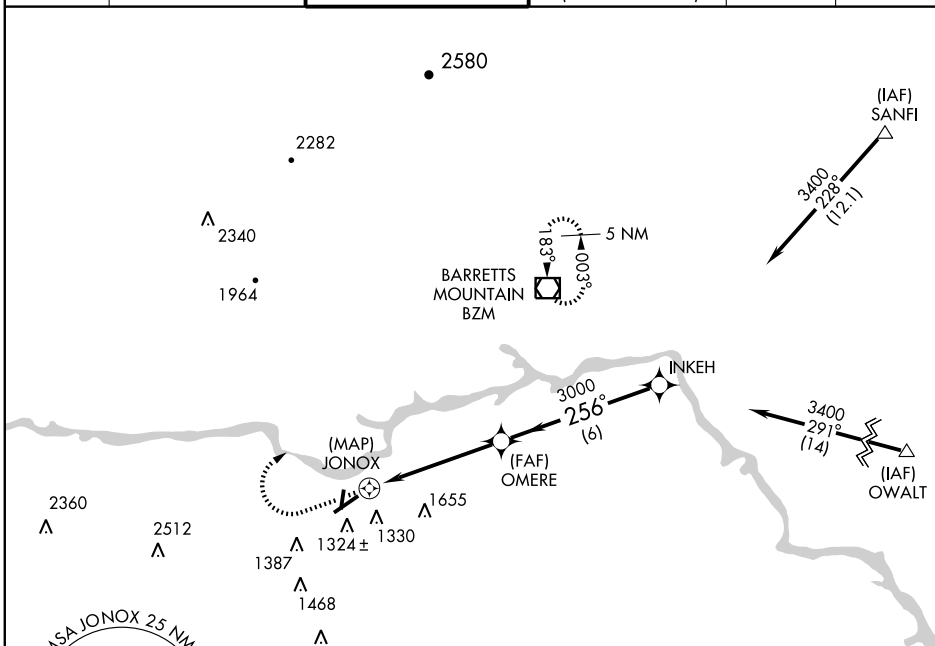
APP CRS	Rwy ldg	6400
256°	TDZE	1189
	Apt Elev	1189

RNAV (GPS) RWY 24

HICKORY RGNL (HKY)

GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. NA For inoperative MALS, increase LNAV Cat. D visibility to 1 1/4 mile.	MALS 	MISSED APPROACH: Climb to 2000 then climbing right turn to 4000 direct BZM VOR/DME and hold.

ASOS 118.325	ATLANTA CENTER 125.15 263.0	HICKORY TOWER ★ 128.15 (CTAF) 0	ATLANTA CLNC DEL 124.25 (when tower closed)	GND CON 121.7	CLNC DEL 121.7
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VOR/DME BZM 110.8 Chan 45	APP CRS 228°	Rwy Idg TDZE Apt Elev 1189
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VOR/DME RWY 24

HICKORY RGNL (HKY)

Inoperative table does not apply.



MISSED APPROACH: Climbing right turn to 4000 via heading 340° and BZM R-274 to BZM VOR/DME and hold.

ASOS
118.325

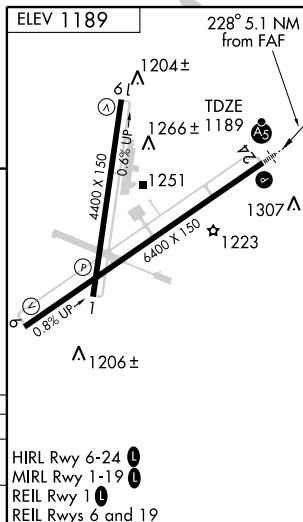
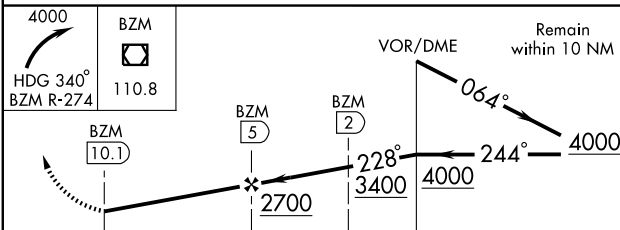
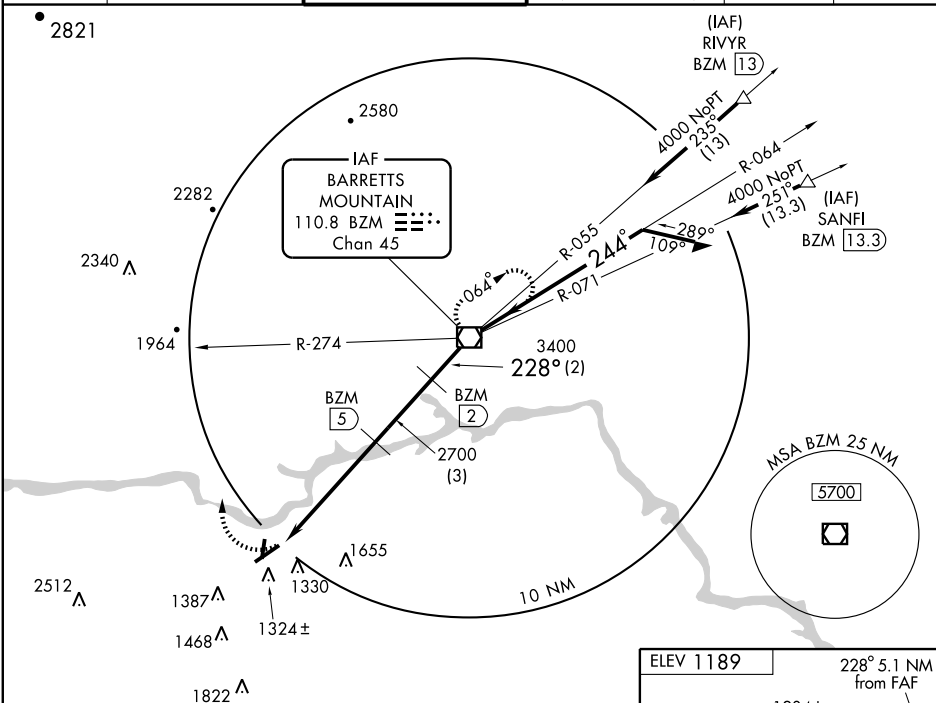
ATLANTA CENTER
125.15 263.0

HICKORY TOWER ★
128.15 (CTAF)

ATLANTA CLNC DEL
124.25
(when tower closed)

GND CON
121.7

CLNC DEL
121.7



CATEGORY	A	B	C	D
S-24	1560-1 371 (400-1)			1560-1¼ 371 (400-1¼)
CIRCLING	1640-1 451 (500-1)		1640-1½ 451 (500-1½)	1740-2 551 (600-2)

HIRL Rwy 6-24
MIRL Rwy 1-19
REIL Rwy 1
REIL Rws 6 and 19

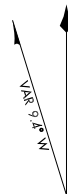
AIRPORT DIAGRAM

AFD-732 [USN]

JACKSONVILLE, NORTH CAROLINA

ATIS ★
288.325
NEW RIVER TOWER ★
120.0 360.2
GND CON
121.8 254.275
CLNC DEL
239.025

OCTOBER 2008
ANNUAL RATE OF CHANGE
0.1°W



184 ★ WATER TOWER

FIRE STATION

CONTROL TOWER

HANGARS

34°43'N

ELEV 40

HANGAR

HANGAR

ELEV 40

HOT REFUELING PIT

TERMINAL AND BASE OPERATIONS

COMBAT AIRCRAFT LOADING AREA

800 x 75
OVERRUN

ELEV 24

5114 x 150
FIELD ELEV 26

RADAR REFLECTORS
ALL RWYS

4790 x 150
ELEV 24

34°42'N

RWY 5-23
PCN 80 F/B/W/T
RWY 1-19
PCN 80 F/B/W/T

AIRPORT DIAGRAM

JACKSONVILLE, NORTH CAROLINA

NEW RIVER MCAS (KNCA)

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

NEW RIVER MCAS (MCCUTCHEON FLD) (NCA)(KNCA) MC 3 S UTC-5(-4DT)

CHARLOTTE

N34°42.51' W77°26.38'

H-9C, L-35B

26 B NOTAM FILE NCA

Not insp.

DIAP, AD

RWY 05-23: H5114X150 (ASPH) PCN 80 F/B/W/T HIRL**RWY 05:** SALSF. PAPI(P4L)—GA 3.0° TCH 47'. **RWY 23:** PAPI(P4L)—GA 3.0° TCH 37'.**RWY 01-19:** H4790X150 (ASPH) PCN 80 F/B/W/T HIRL**RWY 01:** SALSF. PAPI(P4R)—GA 3.0° TCH 45'. **RWY 19:** PAPI(P4L)—GA 3.0° TCH 41'.**MILITARY SERVICE:** LGT Rwy 19 and Rwy 23 thld lgt vary from 1' to 15' from edge of the pavement. Non standard PCL all rws. VHF 120.0 3 clicks step 1, 5 clicks step 3, 7 clicks off. Expect 20 seconds delay for lgt to activate.ACTIVATE HIRL Rwy 01-19 and HIRL Rwy 05-23—120.0. **FUEL** J5 Fuel svc Mon-Fri 1300Z until 1 hr prior to fld closure, clsd Sat, Sun and holidays.**TRAN ALERT** PPR Mon-Thu 1300-0300Z, Fri 1300-0000Z, clsd Sat, Sun and holidays. For acft remaining overnight ctc host unit. No clsd fld authorized for tran acft.**MILITARY REMARKS:** Opr Mon-Thu 1300-0600Z, Fri 1300-0000Z, clsd Sat, Sun and holidays. See FLIP AP/1Supplement Arpt Remarks. **RSTD** PPR all transient acft (minimum 24 hr in advance). Call Base Ops DSN752-6311/6316, C910-449-6311/6316. Twy A at mid-fld clsd to C-130 and larger acft. **CAUTION** Bird hazardOct-Apr. Wildlife hazard on arpt, especially SS-SR. **TFC PAT** Tactical jets prohibited, non-vertical and short takeoff and landing only. **NS ABTMT** Touch and go not avbl after 0400Z. **MISC** All acft with passenger/cargo/Distinguished

Visitor ctc Base Ops 20 min prior to landing.

WEATHER DATA SOURCES: ASOS 288.325. ASOS transmits on PMSV 244.775 when airfield clsd.**COMMUNICATIONS:** ATIS 288.325 (24hr; Unmonitored when field clsd)⑦ **CHERRY POINT APP/DEP CON** 119.35 377.175**TOWER** 120.0 360.2 323.25 **ARRIVAL** 124.85 279.575 (Mon-Thu 1300-0600Z, Fri 1300-0000Z, clsd Sat, Sun and holidays.) **GND CON** 121.8 254.275 **CLNC DEL** 239.025**PMSV METRO** 244.775 (daily 1100-2200Z other times frequency broadcast ASOS) Unmonitored after 2200Z.**NEW RIVER OPS** 253.3**AIRSPACE:** CLASS D (Mon-Thu 1300-0600Z, Fri 1300-0000Z, clsd Sat, Sun and holidays, other times CLASS G.**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.(L) **TACAN** Chan 101 NCA (115.4) N34°42.43' W77°26.42' at fld. 74/8W. Unmonitored and ident off when fld not opr.**ILS/DME** 111.1 I-NCA Rwy 01. GS unusable byd 4° left of course and 7° right of course.**ASR/PAR****COMM/NAV/WEATHER REMARKS:** Radar see Terminal FLIP for Radar Minima.**NORTHEASTERN RGNL** (See EDENTON)**NORTH WILKESBORO****WILKES CO** (UKF) 4NE UTC-5(-4DT) N36°13.37' W81°05.90'1301 B S4 **FUEL** 100LL, JET A+ OX 3,4 NOTAM FILE UKF

Not insp.

CINCINNATI

H-9B, 12H, L-25D

RWY 01-19: H6200X100 (ASPH) S-45, D-60 MIRL 0.9% up N**RWY 01:** MALS. REIL. PAPI(P2L)—GA 3.0° TCH 44'. Trees.**RWY 19:** REIL. PAPI(P2L)—GA 3.0° TCH 36'. Tree.**AIRPORT REMARKS:** Attended dawn-dusk. Arpt unattended Thanksgiving and Christmas. PAEW east of Rwy 01-19 Mon-Fri SR-SS. Deer on and invof arpt. Rwy 01-19 no line of sight between rwy ends.

MIRL Rwy 01-19 preset low ints; to increase ints and ACTIVATE MALS. Rwy 01; PAPI Rwy 01 and Rwy 19 and REIL Rwy 19 and twy lgt—CTAF.

WEATHER DATA SOURCES: AWOS-3 126.625 (336) 696-3788.**COMMUNICATIONS:** CTAF/UNICOM 122.7**WILKESBORO RCO** 122.4 (RALEIGH RADIO)**ATLANTA CENTER APP/DEP CON** 125.15**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.**BARRETS MOUNTAIN (L) VOR/DME** 110.8 BZM Chan 45

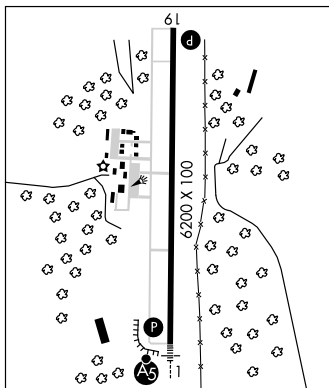
N35°52.13' W81°14.43' 024°22.3 NM to fld. 1880/06W.


WILKI NDB (MHW/LOM) 209 UKF N36°06.77' W81°05.89'

006°6.6 NM to fld.

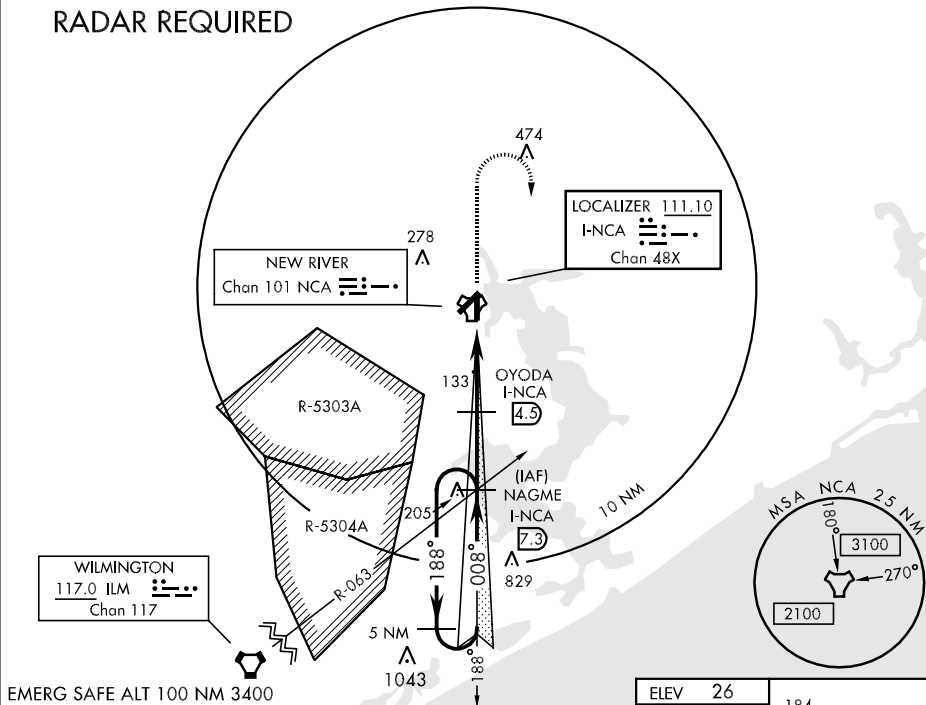
ILS/DME 111.55 I-UKF Chan 52(Y) Rwy 01. Class IB. LOM

WILKI NDB.

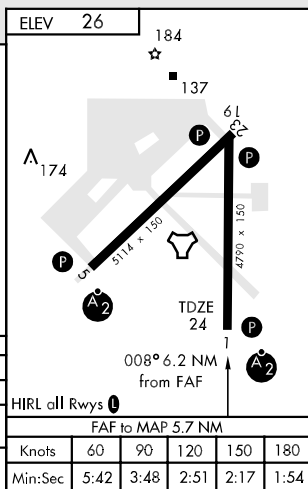
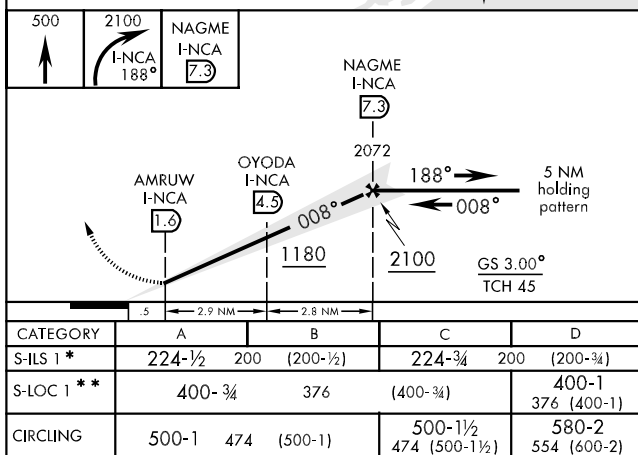



LOC I-NCA <u>111.10</u>	APCH CRS 008°	Rwy Idg 4790 TDZE 24 Arpt Elev 26	AL-732 [USN]	NEW RIVER MCAS (MC CUTCHEON FLD) (KNCA)	
*When ALS inop, increase CAT AB vis to ¾ mile. **When ALS inop, increase CAT ABC vis to 1 mile, CAT D vis to 1¼ miles.			SALS 	MISSED APPROACH: Climb to 500, then climbing right turn to 2100 via I-NCA south crs to NAGME and hold.	
ATIS ★ 288.325	CHERRY POINT APP CON 119.35 377.175	NEW RIVER TOWER ★ 120.00★ 360.2	GND CON 121.8 254.275	CLNC DEL 239.025	ASR/PAR

RADAR REQUIRED

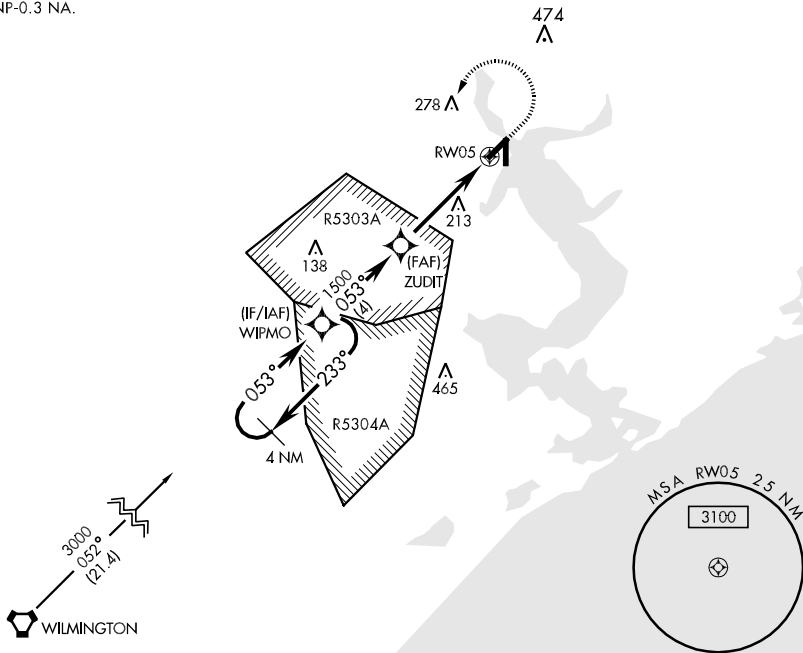


EMERG SAFE ALT 100 NM 3400

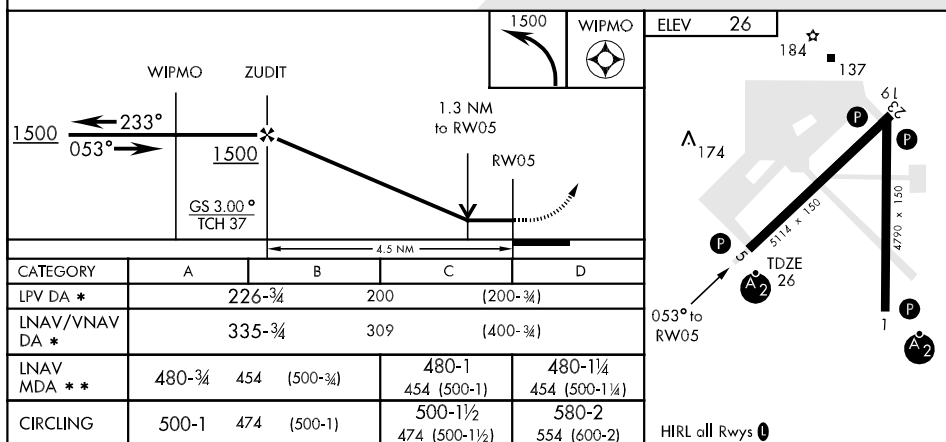


WAAS Chan 77243 W05A		APCH CRS 053°	Rwy Idg 5114 TDZE 26 Arpt Elev 26	AL-732 [USN] MCAS NEW RIVER (MC CUTCHEON FLD) (KNCA)		
* When ALS inop, increase vis CAT ABCD to 1 mile. ** When ALS inop, increase vis CAT AB to 1 mile, CAT C to 1½ miles, CAT D to 1½ miles.				SALSF 	MISSED APPROACH: Climbing left turn to 1500 direct WIPMO and hold.	
ATIS ★ 288.325	CHERRY POINT APP CON 119.35 377.175		NEW RIVER TOWER ★ 120.0 0 ★ 360.2	GND CON 121.8 254.275	CLNC DEL 239.025	ASR/ PAR

For uncompensated Baro-VNAV systems, LNAV/VNAV NA
below -15°C(5°F) or above 42°C(108°F).
DME/DME RNP-0.3 NA.



EMERG SAFE ALT 100 NM 3400



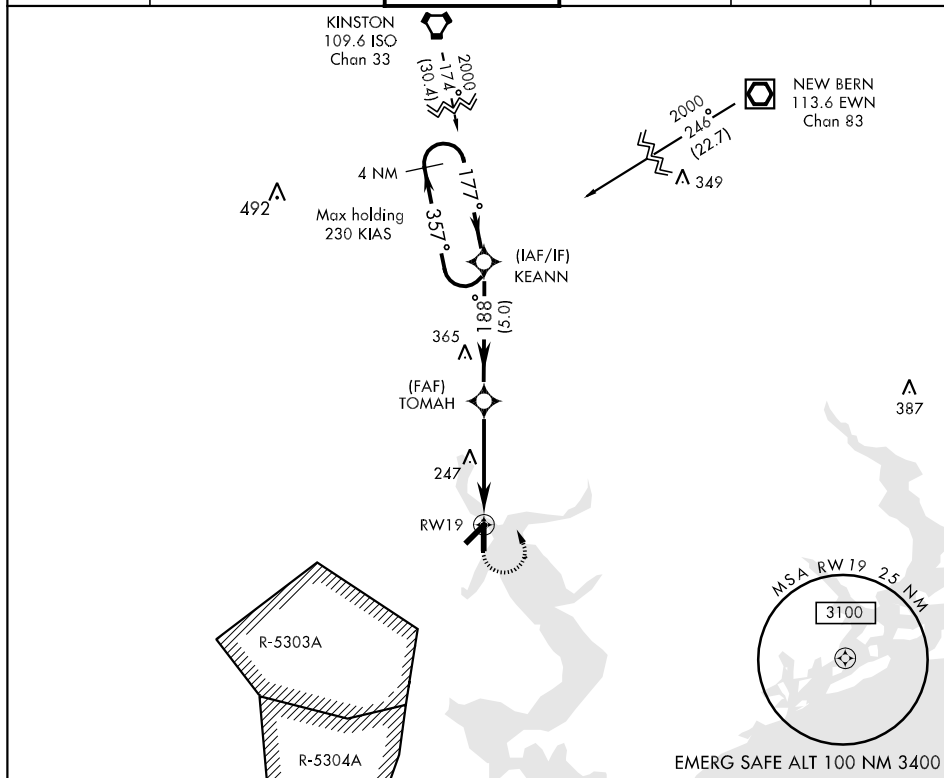
APCH CRS 188°	Rwy Idg TDZE Arpt Elev	4790 23 26
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AL-732 [USN] NEW RIVER MCAS (MC CUTCHEON FLD)(KNCA)

Baro VNAV NA below -15°C(5°F)
and above 42°C(108°F).
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing left turn to 1500 direct KEANN and hold.

ATIS ★ 288.325	CHERRY POINT APP CON 119.35 377.175	NEW RIVER TOWER ★ 120.00* 360.2	GND CON 121.8 254.275	CLNC DEL 239.025	ASR/PAR
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1500	KEANN	* LNAV only.	TOMAH	KEANN	4 NM Holding Pattern	ELEV 26	188° to RWY 19
1500	1500	1500	1500	1500	1500	184	TDZE 23
1.4 NM to RWY 19 *	GS 3.00° TCH 41	4.5 NM	188°	177°	1500	137	61
CATEGORY	A	B	C	D			
LNAV/VNAV DA	360-1¼	337	(400-1¼)				
LNAV MDA	500-1	477 (500-1)	500-1¼ 477 (500-1¼)	500-1½ 477 (500-1½)			
CIRCLING	500-1¼	474 (500-1¼)	500-1½ 474 (500-1½)	580-2 554 (600-2)			
HIRL all Rwy 1							

WAAS Chan 80122 W23A	APCH CRS 233°	Rwy Idg TDZE 25 Arpt Elev 26
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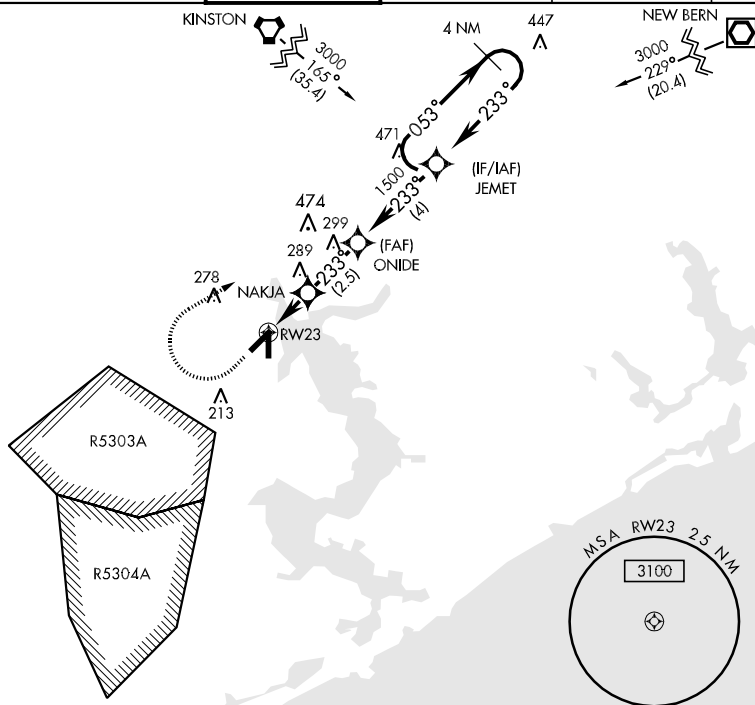
AL-732 [USN]

MCAS NEW RIVER (MC CUTCHEON FLD) (KNCA)

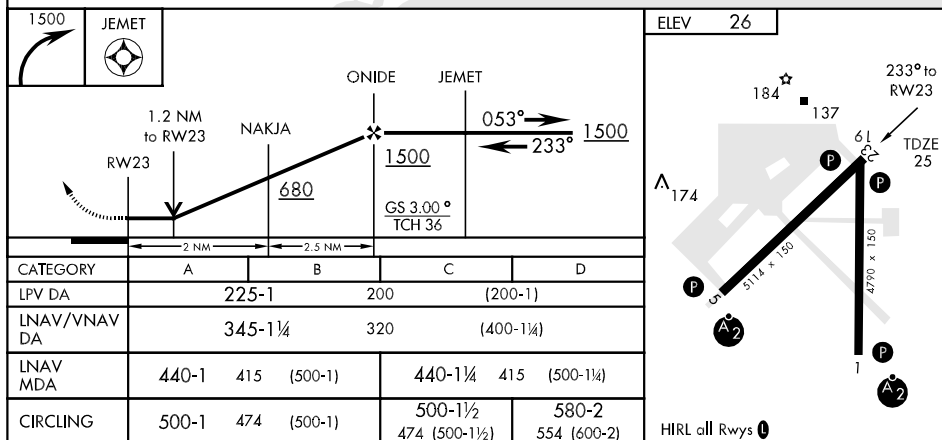
For uncompensated Baro-VNAV systems, LNAV/VNAV NA
below -15°C(5°F) or above 42°C(108°F).
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing right turn to 1500 direct
JEMET and hold.

ATIS ★ 288.325	CHERRY POINT APP CON 119.35 377.175	NEW RIVER TOWER ★ 120.0 0 ★ 360.2	GND CON 121.8 254.275	CLNC DEL 239.025	ASR/ PAR
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EMERG SAFE ALT 100 NM 3400




SANDE-ONE DEPARTURE (SANDE1.SANDE)

JACKSONVILLE, NORTH CAROLINA

ATIS ★ 288.325
CLNC DEL
239.025
GND CON
121.8 254.275
NEW RIVER TOWER ★
120.0 360.2
NEW RIVER DEP CON
124.85 279.575

SL-732 [USN]

NEW RIVER

Chan 101 NCA 
N34°42.43' W77°26.42'

SANDE
N34°45.67'
W77°45.04'

3000
BAVPYWIRIN
3100

R-5303A


R-5304A

DME REQUIRED

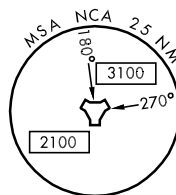
Departure not authorized
when New River Arrival
Control not in service.

201°
(25)

V70

WILMINGTON
117.0 ILM 
Chan 117
N34°21.10'
W77°52.46'

L-35



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 1 or 5: Climbing left turn to 3000 via heading 230°, Thence . . .

TAKE-OFF RWY 19 or 23: Climbing right turn to 3000 via heading 330°, Thence . . .

. . . Intercept NCA R-290 direct SANDE INT, then via assigned route/transition.
Cross BAVPY at 3000. Cross WIRIN at or above 3100. Expect filed altitude ten
minutes after departure.

WILMINGTON TRANSITION (SANDE1.ILM): Via ILM R-021 direct ILM VORTAC,
then as filed.

TACAN NCA	APCH CRS	Rwy Idg	4790
Chan 101	357°	TDZE	24
		Arpt Elev	26

AL-732 [USN]

NEW RIVER MCAS (MC CUTCHEON FLD) (KNCA)

* When ALS inop, increase vis CAT AB to 1 mile, CAT CD to 1 1/4 mile.



MISSED APPROACH: Climbing right turn to 3000 via NCA R-042 direct MARVL (R-042/8 DME) and hold.

ATIS ★
288.325

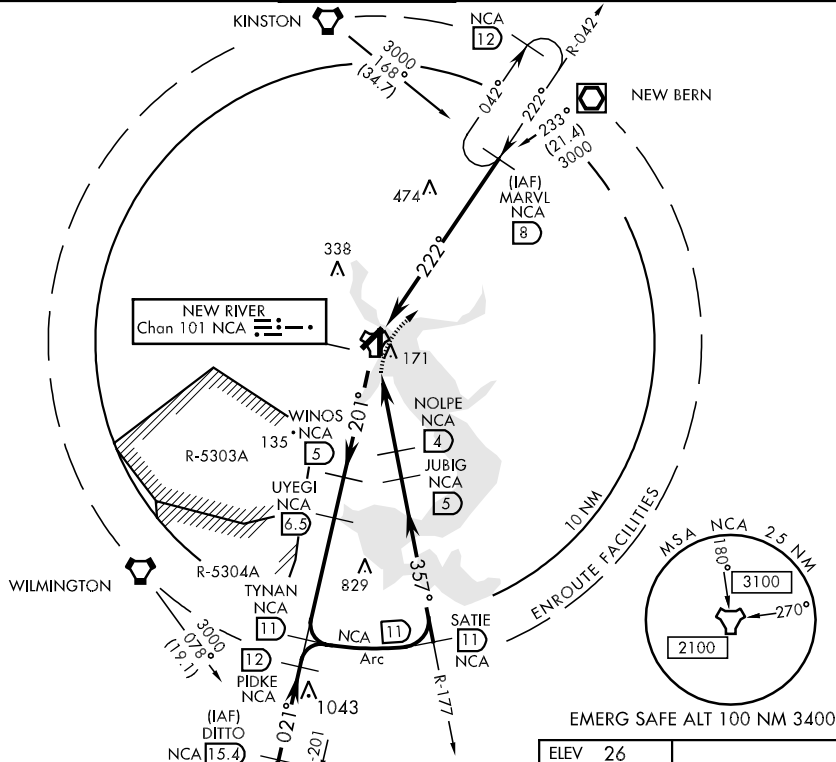
CHERRY POINT APP CON
119.35 377.175

NEW RIVER TOWER ★
120.0L★ 360.2

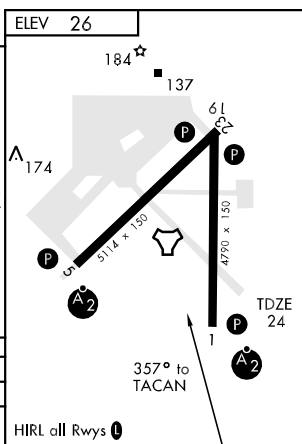
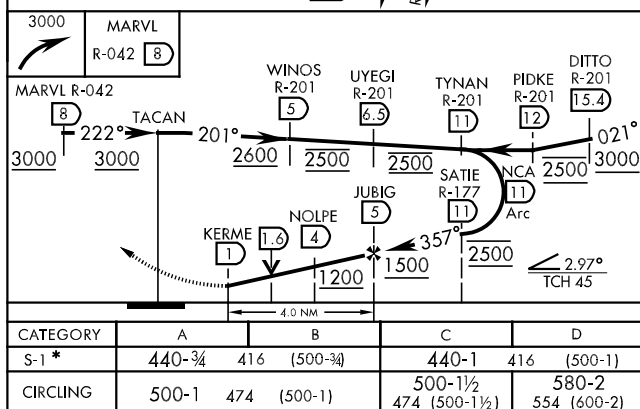
GND CON
121.8 254.275

CLNC DEL
239.025

ASR/PAR



EMERG SAFE ALT 100 NM 3400



TACAN NCA Chan 101	APCH CRS 064°	Rwy Idg TDZE Arprt Elev	5114 26 26
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AL-732 [USN] NEW RIVER MCAS (MC CUTCHEON FLD)(KNCA)

SALSF

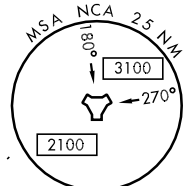
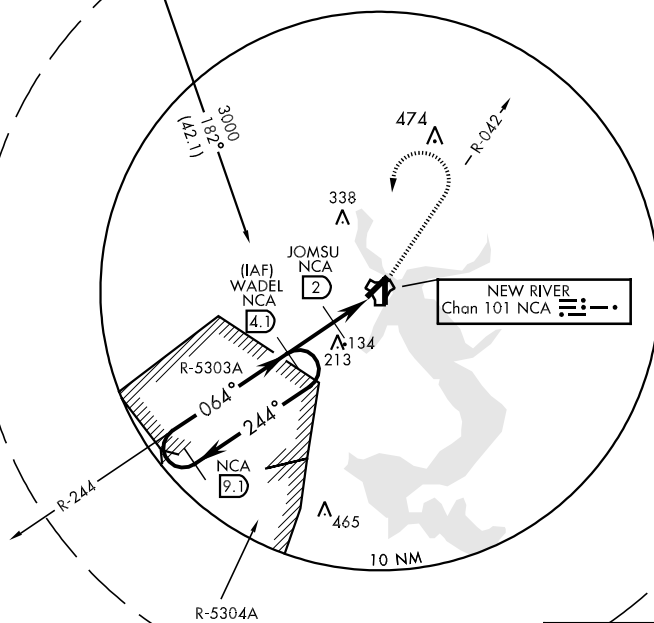


MISSED APPROACH: Climbing left turn to 1500 via NCA R-042. Then left turn direct NCA TACAN, then via NCA R-244 direct WADEL and hold.

* When ALS inop, increase vis CAT ABC to 1 mile, CAT D to 1¼ mile.

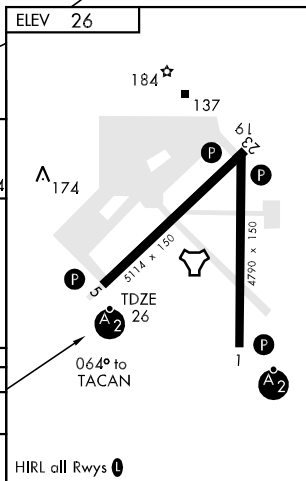
ATIS ★ 288.325	CHERRY POINT APP CON 119.35 377.175	NEW RIVER TOWER ★ 120.00★ 360.2	GND CON 121.8 254.275	CLNC DEL 239.025	ASR/PAR
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KINSTON



EMERG SAFE ALT 100 NM 3400

CATEGORY	A		B		C		D	
	400-3/4		374		(400-3/4)		400-1	
S-5*							374 (400-1)	
CIRCLING	500-1		474 (500-1)		500-1½		580-2	
					474 (500-1½)		554 (600-2)	



TACAN NCA Chan 101	APCH CRS 199°	Rwy Idg TDZE 23 Arprt Elev 26
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AL-732 [USN] NEW RIVER MCAS (MC CUTCHEON FLD)(KNCA)

MISSED APPROACH: Climbing left turn to 1500 via NCA R-042 direct MARVL (R-042/8 DME) and hold.

ATIS ★
288.325

CHERRY POINT APP CON
119.35 377.175

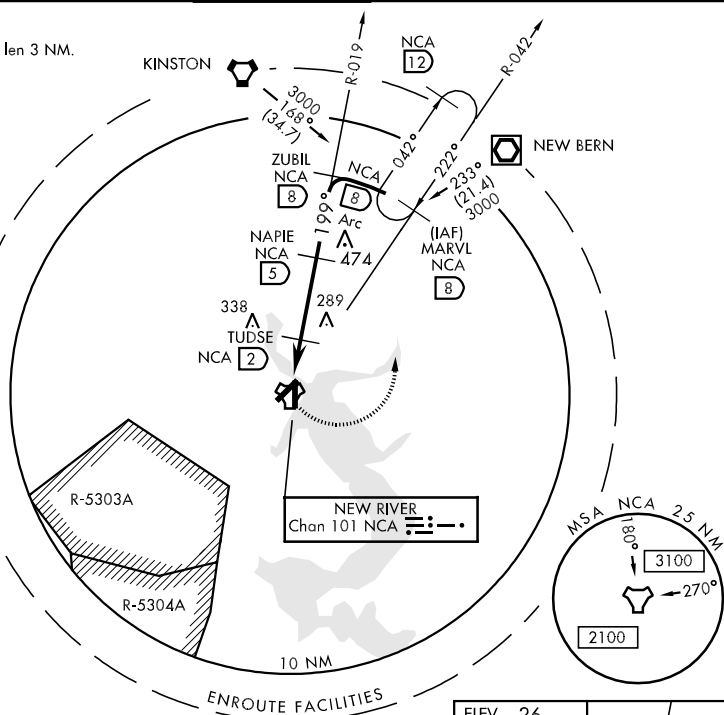
NEW RIVER TOWER★
120.00★ 360.2

GND CON
121.8 254.275

CLNC DEL
239.025

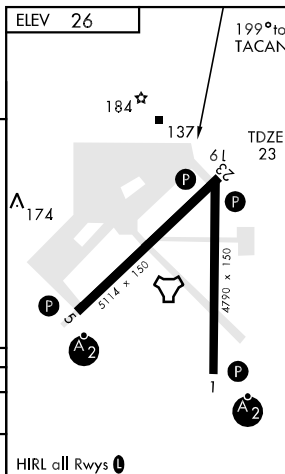
ASR/PR

CAUTION: Intmed seg len 3 NM.



EMERG SAFE ALT 100 NM 3400

1500 NCA R-042	MARVL NCA (8)	TUDSE NCA (2)	NAPIE NCA (5)	ZUBIL NCA R-019 (8)	MARVL NCA R-042 (8)
NCA TACAN	POSTY NCA (1)	1500	1500	1500	
1 NM	3 NM	199°	3.00°	Arc	
TCH 41					
CATEGORY	A	B	C	D	
S-19	440-1	417 (500-1)	440-1½ 417 (500-1½)		
CIRCLING	500-1	474 (500-1)	500-1½ 474 (500-1½)	580-2 554 (600-2)	



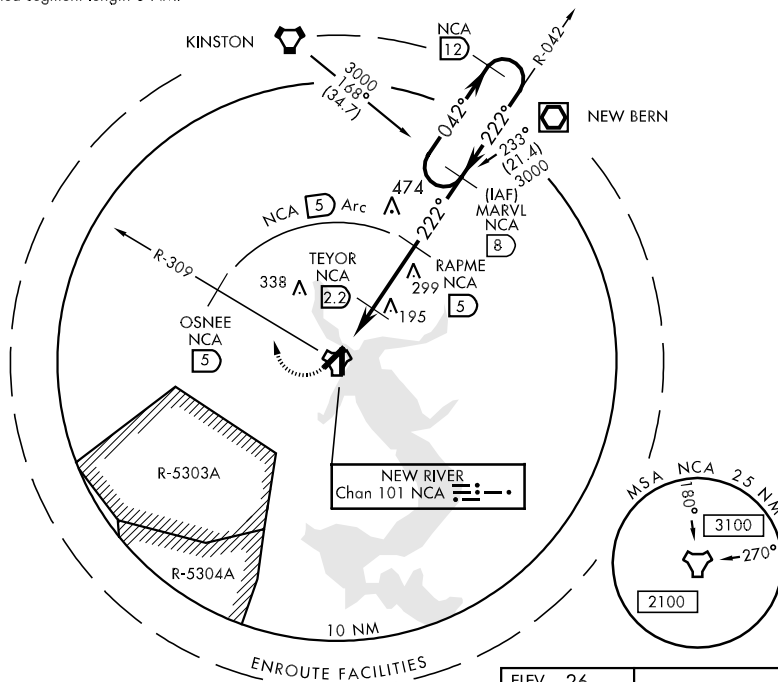
TACAN NCA Chan 101	APCH CRS 222°	Rwy Idg TDZE Arpt Elev	5114 25 26
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AL-732 [USN] NEW RIVER MCAS (MC CUTCHEON FLD)(KNCA)

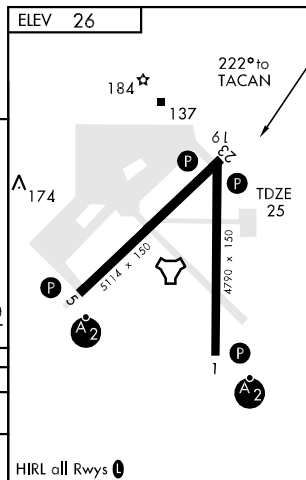
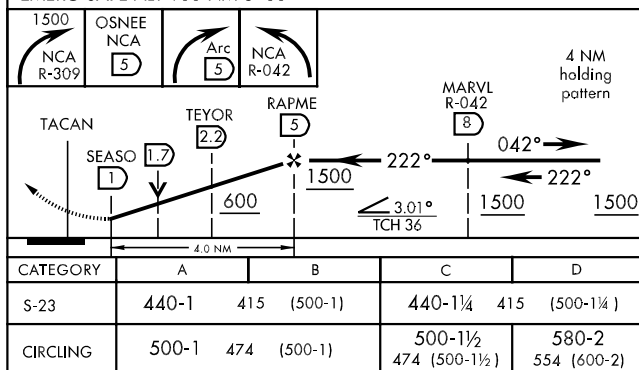
MISSED APPROACH: Climbing right turn to 1500 via NCA R-309 to OSNEE. Arc N via NCA TACAN 5 DME Arc to RAPME, then via R-042 direct MARVL (R-042/8 DME) and hold.

ATIS ★ 288.325	CHERRY POINT APP CON 119.35 377.175	NEW RIVER TOWER★ 120.00★ 360.2	GND CON 121.8 254.275	CLNC DEL 239.025	ASR/PAR
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CAUTION: Intimed segment length 3 NM.



EMERG SAFE ALT 100 NM 3400



HURDLE MILLS**WHITFIELD FARMS** (4W4) 2 W UTC-5(-4DT) N36°17.01' W79°04.73'

CINCINNATI

653 NOTAM FILE RDU

RWY 03-21: 1950X70 (TURF)**RWY 03:** Trees. **RWY 21:** Thld dsplcd 400'. Trees.**AIRPORT REMARKS:** Unattended. Be alert farm equipment/cattle may be on strip; salvage acft left side of Rwy 03.

Small radio control model airplanes operate on airport. Owner prefers ldg's to the S and tkfs to the N. Rwy 03-21, marked by yellow cones.

COMMUNICATIONS: CTAF 122.9**HYDE CO** (See ENGELHARD)**INDIAN TRAIL****GOOSE CREEK** (28A) 6 NE UTC-5(-4DT) N35°07.26' W80°35.24'

CHARLOTTE

565 B **FUEL** 100LL TPA—See Remarks NOTAM FILE RDU**RWY 04-22:** H2350X35 (ASPH) LIRL (NSTD)**RWY 04:** Thld dsplcd 122'. Trees. **RWY 22:** Tree.**AIRPORT REMARKS:** Attended irregularly. Call for fuel (704) 882-1102. Use caution due to extensive ultralight activity.

Farm equipment on and invof arpt. Birds and wildlife on and invof arpt. Rwy 04 ngt ldg's not authorized. Rwy 04-22 has 4' electric fence 65' from centerline on southeast side. Rwy 04-22 has 15' dropoff 50' from centerline on southeast side at midfield. Rwy 04-22 has 15' roads 55' from centerline both sides of rwy. Rgt tfc Rwy 04 and Rwy 22 for ultralights only. TPA for ultralights 1100(535), TPA for all other acft 1600(1035). Rwy 04-22 frst 400' southwest end unlgtd. Rwy 04-22 NSTD LIRL no thld lgts. Arpt lgts opr dusk-0530Z±.

COMMUNICATIONS: CTAF/UNICOM 123.0**JAARS-TOWNSEND** (See WAXHAW)**JACKSON CO** (See SYLVA)**JACKSONVILLE****ALBERT J ELLIS** (OAJ) 10 NW UTC-5(-4DT) N34°49.75' W77°36.73'

CHARLOTTE

94 B S4 **FUEL** 100LL, JET A ARFF Index—See Remarks NOTAM FILE OAJ

H-9C, 12H, L-35B

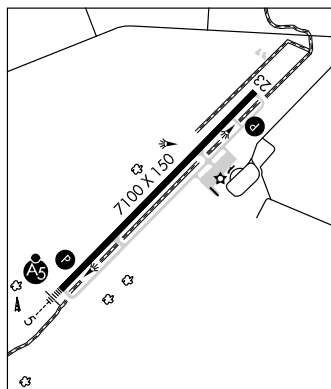
RWY 05-23: H7100X150 (ASPH-GRVD) S-75, D-175, 2S-175, 2D-300 HIRL

IAP

RWY 05: MALSR. PAPI(P4L)—GA 3.0°TCH 55'.**RWY 23:** REIL. PAPI(P4L)—GA 3.0°TCH 47'.**AIRPORT REMARKS:** Attended 1000-0100Z±. For fuel other hrs call 910-347-8366. CLOSED to air carrier ops with more than 30 passenger seats 0500-1000Z± except PPR call arpt manager 910-324-1100. Class I, ARFF Index A. Index B ARFF equipment is avbl. Arpt CLOSED to all military acft over 17,000 lbs for air carrier ramp ops except 24 hr PPR. Call arpt manager Mon-Fri 910-324-1100. 180°turns on Rwy 05-23 not authorized for acft 60,000 pounds and over. ACTIVATE HIRL Rwy 05-23, MALSR Rwy 05, REIL Rwy 23 and PAPI Rwy 05 and Rwy 23—CTAF. HIRL step 3 only.**WEATHER DATA SOURCES:** AWOS-3 124.475 (910) 324-5233.**COMMUNICATIONS:** CTAF/UNICOM 123.0

Ⓡ WILMINGTON APP/DEP CON 135.75 (1100-0400Z±) CLNC DEL 121.4

Ⓡ WASHINGTON CENTER APP/DEP CON 135.75 (0400-1100Z±)

AIRSPACE: CLASS E svc Sun-Fri 1100-0500Z±, Sat 1100-0430Z± other times CLASS G.**RADIO AIDS TO NAVIGATION:** NOTAM FILE CRE.**GRAND STRAND (L) VORTAC** 117.6 CRE Chan 123 N33°48.83' W78°43.47' 045° 82.2 NM to fld. 20/03W.**ELLAS NDB (LOM)** 261 OA N34°45.03' W77°42.27' 052° 6.6 NM to fld. Unmonitored. NOTAM FILE OAJ.**ILS/DME** 108.7 I-OAJ Chan 24 Rwy 05. LOM ELLAS NDB. LOM ELLAS NDB unmonitored.

LOC/DME I-OAJ 108.7 Chan 24	APP CRS 052°	Rwy Idg 7100 TDZE 90 Apt Elev 94
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ILS or LOC RWY 5
JACKSONVILLE/ALBERT J. ELLIS (OAJ)

T **A** ADF REQUIRED. When local altimeter setting not received, use
Wilmington altimeter setting and increase all DA/MDA 100 feet,
increase S-ILS all Cats and S-LOC Cats C/D visibility ¼ mile.
VDP NA when using Wilmington altimeter setting.

MALSR
A5

MISSED APPROACH: Climb to 600 then climbing left turn to 2100 direct ELLAS LOM/I-OAJ 7.3 DME and hold.

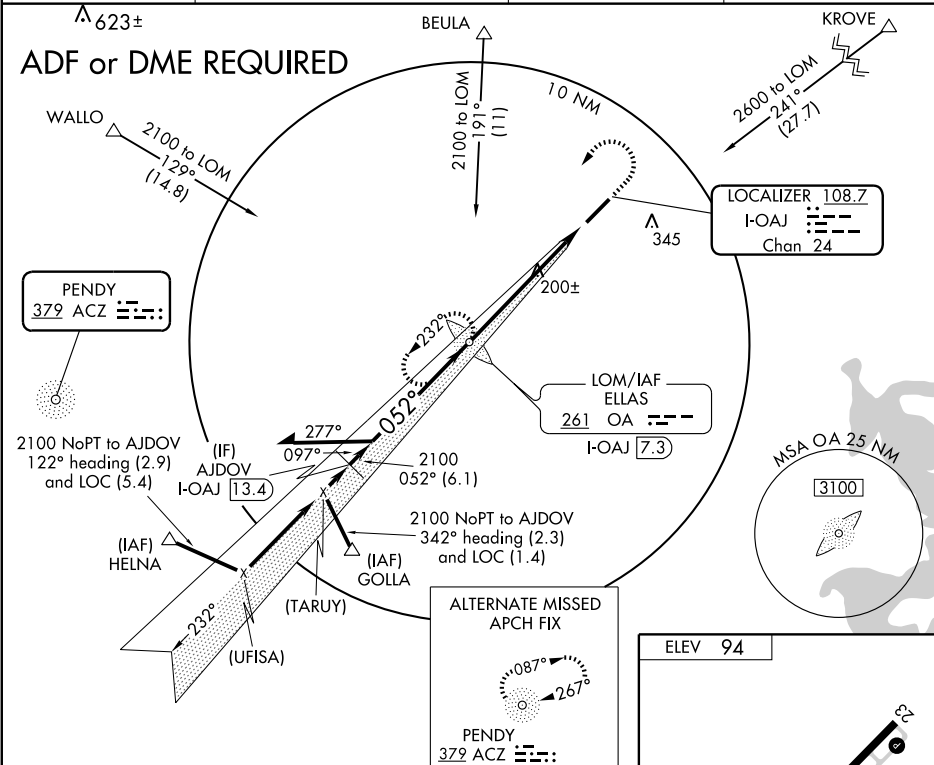
AWOS-3
124.475

WILMINGTON APP CON ★
135.75 317.425 (344°-163°)




CLNC DEL
121.4 257.6

UNICOM
123.0 (CTAF) **L**

ADF or DME REQUIRED





Remain
within 10 NM

600	2100	OA
		

ELEV 94

REIL Rwy 23 **L**
HIRL Rwy 5-23 **L**★

FAF to MAP 6 NM

CATEGORY	A	B	C	D	052° 6 NM from FAF	REIL Rwy 23  HIRL Rwy 5-23 
S-ILS 5	290-1/2 200 (200-1/2)					
S-LOC 5	460-1/2 370 (400-1/2)			460-3/4 370 (400-3/4)		
CIRCLING	500-1 406 (500-1)	560-1 466 (500-1)	560-1 1/2 466 (500-1 1/2)	660-2 566 (600-2)	FAF to MAP 6 NM	
					Knots	60 90 120 150 180
					Min:Sec	6:00 4:00 3:00 2:24 2:00

JACKSONVILLE, NORTH CAROLINA

Amdt 8A 10210

JACKSONVILLE/ALBERT J. ELLIS (OAJ)

ILS or LOC RWY 5

34° 50'N - 77° 37'W

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

LOM OA	APP CRS	Rwy Idg	7100
<u>261</u>	052°	TDZE	90
		Apt Elev	94

NDB RWY 5
JACKSONVILLE/ALBERT J. ELLIS (OAJ)

T
A NA When local altimeter setting not received, use Wilmington altimeter setting and increase all MDAs 100 feet and S-5 visibility Cats C and D ¼ mile.

MALSR

MISSED APPROACH: Climbing left turn to 2100 direct OA LOM and hold.

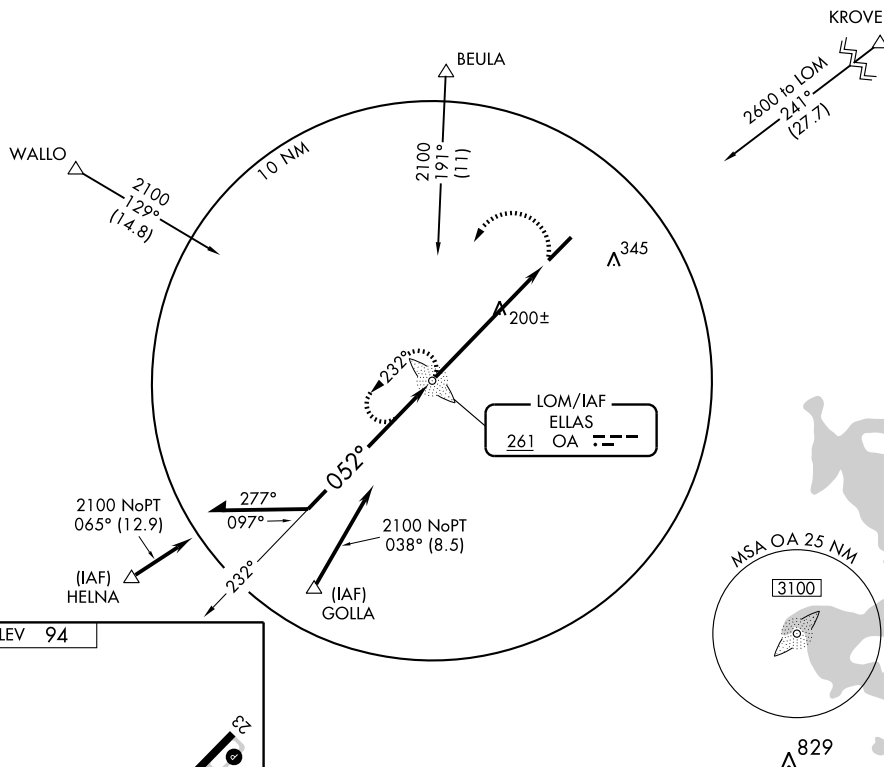
AWOS-3
124.475

WILMINGTON APP CON★

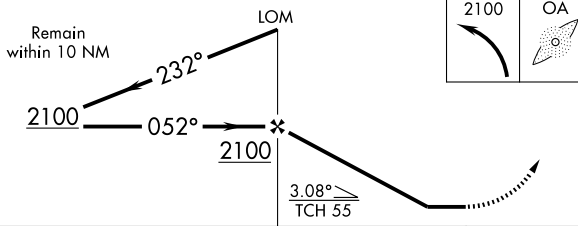
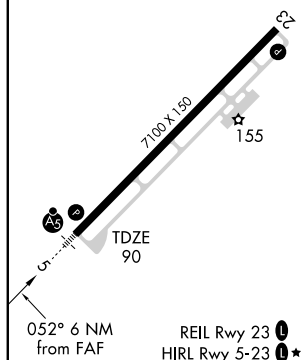
135.75 317.425 (344°-163°)

CLNC DEL
121.4 257.6

UNICOM
123.0 (CTAF) **L**



ELEV 94



CATEGORY	A	B	C	D
S-5	500- $\frac{3}{4}$ 410 (500- $\frac{3}{4}$)			500-1 410 (500-1)
CIRCLING	500-1 406 (500-1)	560-1 466 (500-1)	560-1 $\frac{1}{2}$ 466 (500-1 $\frac{1}{2}$)	660-2 566 (600-2)

JACKSONVILLE, NORTH CAROLINA

Amdt 8 10210

JACKSONVILLE/ALBERT J. ELLIS (OAJ)

34° 50'N - 77° 37'W

NDB RWY 5

SE-2. 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

WAAS CH 49009 W05A	APP CRS 052°	Rwy Idg TDZE Apt Elev	7100 90 94
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RNAV (GPS) RWY 5

JACKSONVILLE/ALBERT J. ELLIS (OAJ)

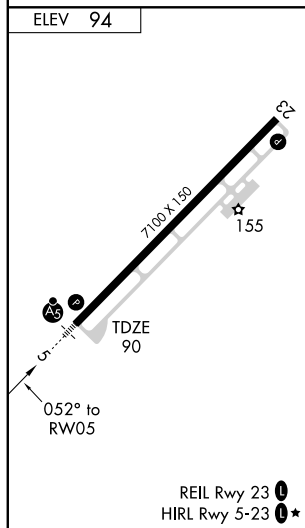
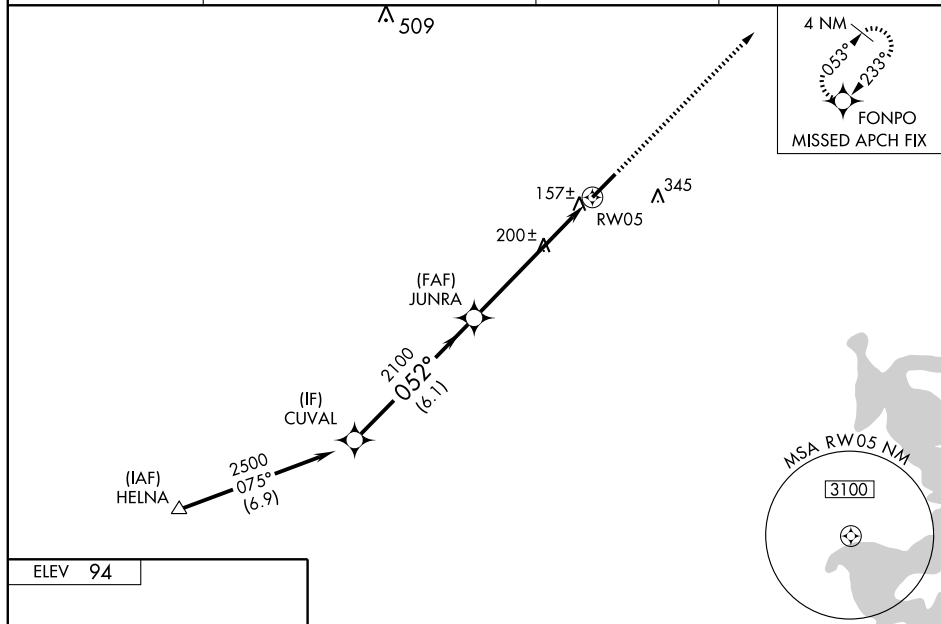
⚠ Baro-VNAV NA when using Wilmington altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 49°C (120°F). DME/DME RNP-0.3 NA. VDP NA when using Wilmington altimeter setting. When local altimeter setting not received, use Wilmington altimeter setting and increase all DA/MDA 100 feet, increase LPV and LNAV/VNAV visibility ¼ mile, LNAV Cat C ¼ mile. For inoperative MALSR increase LPV all Cats visibility to 1, LNAV Cat D visibility to 1¼. For inoperative MALSR, when using Wilmington altimeter setting, increase LPV all Cats visibility to 1¼ miles.

MALSR



MISSED APPROACH:
Climb to 3100 direct
FONPO and hold.

AWOS-3 124.475	WILMINGTON APP CON ★ 135.75 317.425 (344°-1633°)	CLNC DEL 121.4 257.6	UNICOM 123.0 (CTAF) 0
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Procedure	Turn	CUVAL	2500	JUNRA	2100	3100	FONPO
	NA			052°			
		GS 3.00°					
		TCH 55					
			6.1 NM	5 NM	1 NM		
CATEGORY	A	B	C	D			
LPV DA		375-½	285 (300-½)				
LNAV/VNAV DA		428-¾	338 (400-¾)				
LNAV MDA		460-½	370 (400-½)		460-1		
					370 (400-1)		
CIRCLING	500-1	560-1	560-1½		660-2		
	406 (500-1)	466 (500-1)	466 (500-1½)		566 (600-2)		

SKY MANOR (N22) 8 W UTC-5(-4DT) N34°43.01' W77°35.53'

CHARLOTTE

60 NOTAM FILE RDU

RWY 08-26: 3610X85 (TURF)

RWY 08: Thld dspcd 595'. Trees.

RWY 26: Trees.

AIRPORT REMARKS: Unattended. CAUTION—Areas of standing water on rwy after rains. Be alert, deer invof arpt. West half of rwy extremely soft when wet. Tkf and ldg in strong crosswinds not recommended due to severe drafts from trees. Rwy 08-26 marked with 2' yellow cones. Cones obscured by grass and brush. Private road parallels rwy on south side 20' from rwy edge, +30' hanger located 200' west of Rwy 26 thld and 100' right of centerline, +80' trees along north side of rwy edge from Rwy 08 thld to term area, +80' trees 400' from Rwy 08 and Rwy 26 thlds across entire apch.

COMMUNICATIONS: CTAF 122.9

JEFFERSON

ASHE CO (GEV) 3E UTC-5(-4DT) N36°25.95' W81°25.18'

CINCINNATI

3180 B S4 **FUEL** 100LL, JET A1+ NOTAM FILE GEV

L-25D

RWY 10-28: H4293X75 (ASPH) S-12.5 MIRL 1.8% up W

IAP

RWY 10: Trees.

RWY 28: REIL. VASI(V2L)—GA 3.3° TCH 44'. Brush.

AIRPORT REMARKS: Attended 1400-2200Z±. CLOSED Christmas day.

For svc after hrs call 336-877-1102. Rising terrain all quadrants.

Rwy 28 has an uphill grade. Rwy 10 and 28 safety areas have

100 ft dropoffs 270 ft from thld. Rwy 28, 100' dropoffs 90' left

and right of centerline. Construction activity on ramp and twy.

Deer invof arpt. Rwy 28 mountain penetrates VASI glide slope.

ACTIVATE MIRL Rwy 10-28; VASI Rwy 28 and REIL Rwy 28—CTAF.

WEATHER DATA SOURCES: AWOS-3 120.675 (336) 982-5555.

COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ ATLANTA CENTER APP/DEP CON 125.15

RADIO AIDS TO NAVIGATION: NOTAM FILE BNA.

HOLSTON MOUNTAIN (L) VORTAC 114.6 HNV Chan 93 N36°26.22'

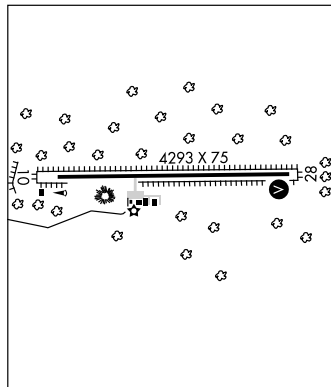
W82°07.77' 094° 34.4 NM to fld. 4321/04W.

ASHEE NDB (MHW/LOM) 410 JU N36°26.04' W81°19.32' 276°

4.7 NM to fld. NOTAM FLD GEV.

ILS/DME 109.35 I-JUH Chan 30 Rwy 28. LOM ASHEE

NDB. LOC only. DME unusable byd 15° left of course.



JIGEL N34°32.76' W79°08.30' NOTAM FILE LBT.

CHARLOTTE

NDB (MHW/LOM) 384 JB 054° 5.5 NM to Lumberton Muni.

L-24J, 35A, 36E

JOHNSTON CO (See SMITHFIELD)

JONESVILLE

SWAN CREEK (78A) 3 SW UTC-5(-4DT) N36°12.14' W80°52.09'

CINCINNATI

1135 NOTAM FILE RDU

RWY 10-28: 2600X200 (TURF)

RWY 10: Trees.

RWY 28: Hill.

RWY 02-20: 1650X200 (TURF)

RWY 02: Road.

RWY 20: Trees.

AIRPORT REMARKS: Attended irregularly. Arpt CLOSED to transient acft. Parachute Jumping. No line-of-sight between rwy ends. Rwy 10 slopes uphill; Rwy 02 first half slopes uphill. Rwy 20+3' fence 40' prior to thld. Arpt phone 919-835-9555.

COMMUNICATIONS: CTAF 122.9

JULIAN

KECKS (N88) 2 NE UTC-5(-4DT) N35°55.59' W79°37.65'

CHARLOTTE

724 NOTAM FILE RDU

RWY 05-23: 1400X75 (TURF)

RWY 05: Pole.

RWY 23: Pole.

AIRPORT REMARKS: Unattended. Agricultural equipment occasionally on rwy. Buildings on NW edge of rwy. 4 livestock fence below rwy grade across end of each rwy.

COMMUNICATIONS: CTAF 122.9

JURLY N35°28.50' W78°25.52' NOTAM FILE JNX.

CHARLOTTE

NDB (MHW/LOM) 263 JN 032°4.3 NM to Johnston Co. NDB unmonitored 2200-1300Z±.

L-35B, 36F

NDB unusable byd 15 NM.

LOC/DME I-JUH
109.35
 Chan **30**(Y)

APP CRS
276°

Rwy Idg
 TDZE **4293**
 Apt Elev **3156**
3180

LOC RWY 28

JEFFERSON/ ASHE COUNTY (GEV)

Visibility reduction by helicopters NA. ADF and DME or RADAR Required.
When local altimeter setting not received, use Marion/Wytheville altimeter setting and increase all MDA 160 feet.

MISSED APPROACH: Climbing left turn to 6400 direct ASHEE NDB/I-JUH 5.1 DME and hold, continue climb-in-hold.

AWOS-3
120.675

ATLANTA CENTER
125.15 263.0

UNICOM
122.8 (CTAF) 0*

ADF REQUIRED

STOVE

• 5729

4160 •

LOCALIZER **109.35**I-JUH
Chan 30 (Y)IAF
ASHEE
410 JU

I-JUH [5.1]

ESUGY
I-JUH [2]HUBVA
BZM [30.8]FOGMU
I-JUH [8.2]
RADAR

RADAR

MULBE

110.8 BZM
Chan 45HUBVA
BZM [30.8]ALTERNATE
MISSED
APCH FIX

R-356 176°
 356°
 110.8 BZM
 Chan 45

• 5040

• 5193

4942 •

114.6 HMMV
Chan 93

R-108

ELEV 3180

REIL Rwy 28 0*

MIRL Rwy 10-28 0*

FAF to MAP 3.1 NM

Knots	60	90	120	150	180
Min:Sec	3:06	2:04	1:33	1:14	1:02

TDZE
 3156
 4293 X 75
 -1.8% UP
 276° 4.4 NM
 from FAF

6400 JU

NDB
I-JUH [5.1]

10000

Remain
within 10 NMFOGMU
I-JUH [8.2]
RADAR

5700

4800

VGSi and descent
angles not coincident.ESUGY
I-JUH [2]

276°

1.3

CATEGORY

S-28

A

CIRCLING

B

4220-1½ 1064 (1100-1½)

C

4280-3 1100 (1100-3)

D

4680-3 1500 (1500-3)

APP CRS	Rwy Idg	4293
276°	TDZE	3156
	Apt Elev	3180

RNAV (GPS) RWY 28

JEFFERSON/ASHE COUNTY (GEV)

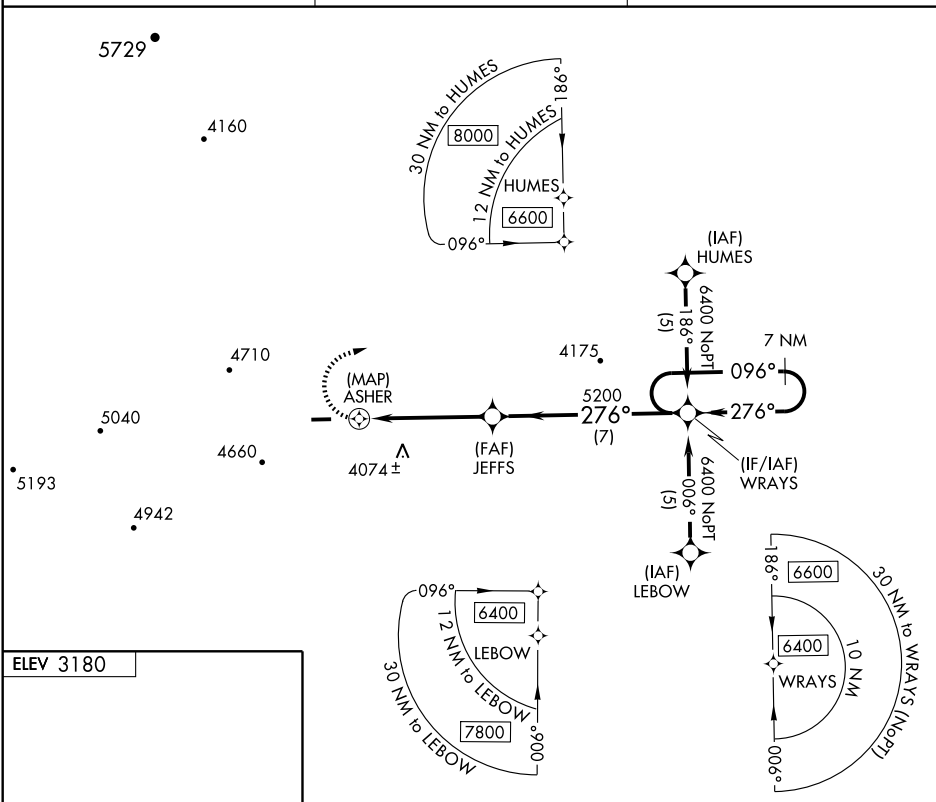
▼ DME/DME RNP-0.3 NA. VDP NA when using Mountain Empire altimeter setting. When local altimeter setting not received, use Mountain Empire altimeter setting and increase all MDA 160 feet.

MISSED APPROACH: Climbing right turn to 6400 direct WRAYS and hold.

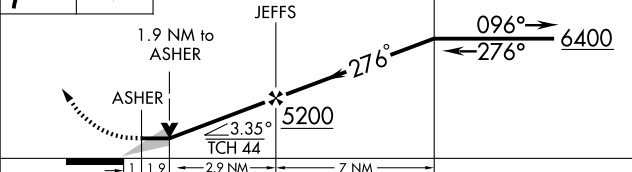
AWOS-3
120.675

ATLANTA CENTER
125.15 263.0

UNICOM
122.8 (CTAF) 0 ★



ELEV 3180



CATEGORY	A	B	C	D
LNVA MDA	4160-1¼ 1004 (1000-1¼)	4160-1½ 1004 (1000-1½)	4160-3 1004 (1000-3)	
CIRCLING	4280-1¼ 1100 (1100-1¼)	4280-1½ 1100 (1100-1½)	4280-3 1100 (1100-3)	4680-3 1500 (1500-3)

REIL Rwy 28 0 ★
MIRL Rwy 10-28 0 ★

KATFI N35°01.29' W77°04.77' NOTAM FILE EWN.
NDB (LOM) 362 EW 038° 3.6 NM to COASTAL CAROLINA RGNL.

CHARLOTTE

KEANS N35°31.97' W82°35.25' NOTAM FILE AVL.
NDB (LOM) 357 IM 163° 6.2 NM to Asheville Rgnl. ILS OTS 0330-1130Z± indef.

ATLANTA

KECKS (See JULIAN)

KENAN N35°04.34' W77°55.13' NOTAM FILE DPL.
NDB (MHW) 332 DKA 223° 5.3 NM to Duplin Co.

CHARLOTTE

L-35B

KENANSVILLE

DUPLIN CO (DPL) 2 NW UTC-5(-4DT) N35°00.00' W77°58.90'

CHARLOTTE

136 B S4 **FUEL** 100LL, JET A1 + OX 3 NOTAM FILE DPL

H-9C, 12H, L-35B

RWY 05-23: H6002X75 (ASPH) S-30, D-50 MIRL

IAP

RWY 05: REIL. PAPI(P2L)—GA 3.0° TCH 26'. Trees.

RWY 23: REIL. PAPI(P2L)—GA 3.0° TCH 44'. Trees.

AIRPORT REMARKS: Attended Apr-Oct Mon-Sat 1200-0000Z±, Sun 1800-0000Z±; Nov-Mar Mon-Sat 1300-2300Z±, Sun 1800-2300Z±. Deer/dogs/birds on and invof arpt. Twy lgts OTS indef. PAPI Rwy 05 and Rwy 23 opr continuously. ACTIVATE REIL Rwy 05 and Rwy 23—CTAF. MIRL Rwy 05-23 on until midnight. After midnight, ACTIVATE MIRL Rwy 05-23—CTAF.

WEATHER DATA SOURCES: AWOS-3 120.675 (910) 296-9688.

COMMUNICATIONS: CTAF/UNICOM 123.0

R **SEYMOUR JOHNSON APP/DEP CON** 119.7 (1200-0430Z±)

WASHINGTON CENTER APP/DEP CON 135.5 (0430-1200Z±)

GCO 135.075 (SEYMOUR JOHNSON CLNC)

RADIO AIDS TO NAVIGATION: NOTAM FILE ISO.

KINSTON (L) VORTAC 109.6 ISO Chan 33 N35°22.26'

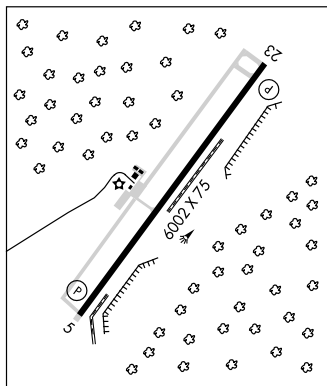
W77°33.50' 228° 30.5 NM to fld. 106/05W.

KENAN NDB (MHW) 332 DKA N35°04.34' W77°55.13'

223° 5.3 NM to fld. NOTAM FILE DPL.

ILS 110.1 I-PZR Rwy 23. LOC only. LOC unusable byd

20° left of course. Unmonitored.



KILL DEVIL HILLS

FIRST FLIGHT (FFA) 1 W UTC-5(-4DT) N36°01.09' W75°40.28'

WASHINGTON

13 TPA—813(800) NOTAM FILE FFA

L-35D

RWY 02-20: H3000X60 (ASPH) S-10

RWY 02: Road. **RWY 20:** Brush. Rgt tfc.

AIRPORT REMARKS: Unattended. Airport CLOSED 30 minutes after SS until 30 minutes before SR. Hang gliding and powered hang gliding to 4000' invof arpt from SR-SS year round. Unmarked p-lines in apch area Rwy 02; 300' twr and tank ½ mile N of Rwy 20 thld. Deer and birds on and invof arpt. PPR Superintendent Cape Hatteras National Seashore, Manteo, NC, required for acft over 12,500 lbs. Windsock partially obscured by trees from apron. A maximum of 24 hrs parking permitted. No more than two overnight stays per month. Restroom facilities on site, key code access to Pilot Lounge.

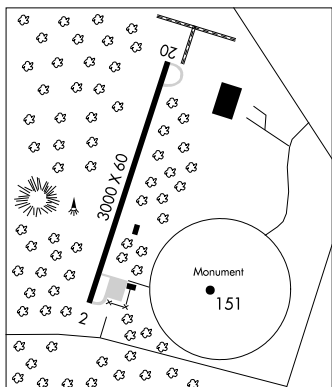
WEATHER DATA SOURCES: AWOS-3 118.075 (252) 449-0698.

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE MQI.

WRIGHT BROTHERS (T) VOR/DME 111.6 RBX Chan 53

N35°55.23' W75°41.82' 020° 6 NM to fld. 10/08W.



APP CRS	Rwy Idg	6002
043°	TDZE	136
	Apt Elev	137

GPS RWY 5

KENANSVILLE/DUPLIN COUNTY (DPL)



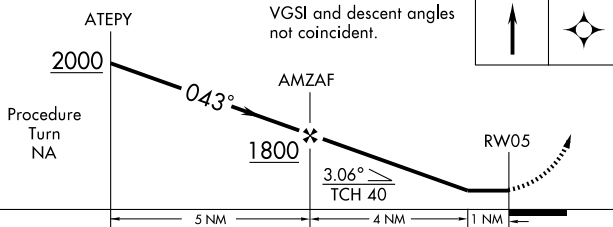
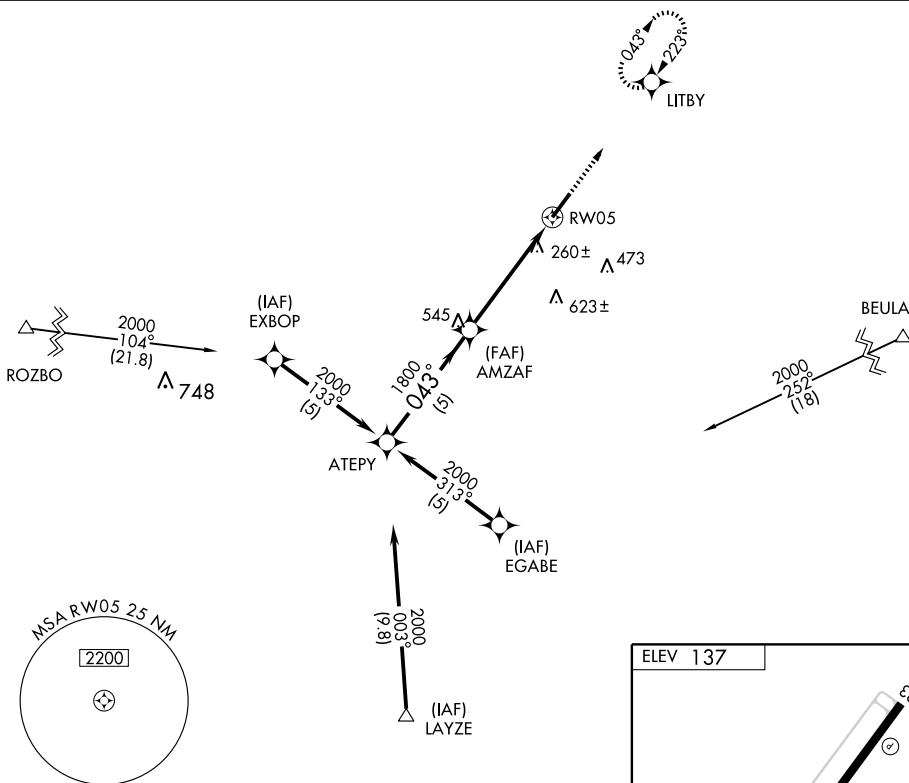
MISSED APPROACH: Climb to 1700
direct LITBY WP and hold.

AWOS-3
120.675

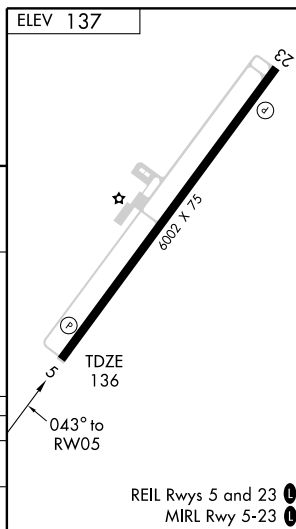
SEYMOUR JOHNSON APP CON★
119.7 273.6

GCO
135.075

UNICOM
123.0 (CTAF) **1**



CATEGORY	A	B	C	D
S-5	520-1 384 (400-1)			520-1¼ 384 (400-1¼)
CIRCLING	560-1 423 (500-1)	600-1 463 (500-1)	600-1½ 463 (500-1½)	760-2 623 (700-2)



REIL Rwy 5 and 23 **1**
MIRL Rwy 5-23 **1**

APP CRS **223°**
 Rwy Idg **6002**
 TDZE **137**
 Apt Elev **137**

GPS RWY 23

KENANSVILLE/ DUPLIN COUNTY (DPL)



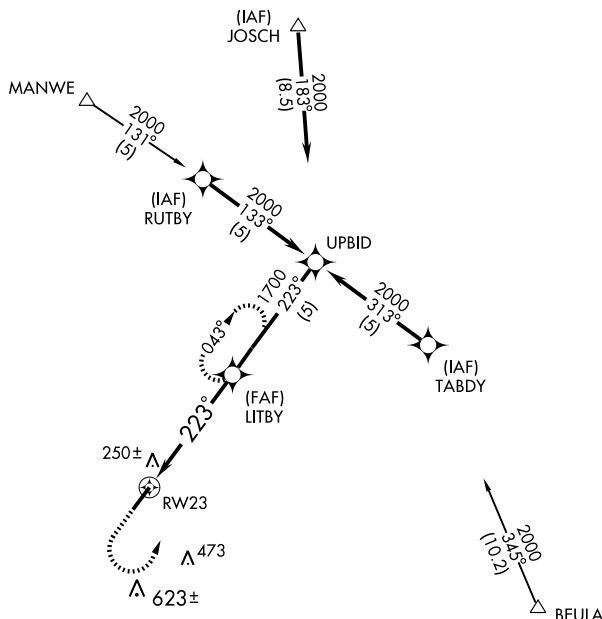
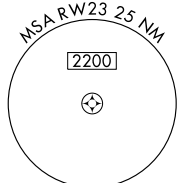
MISSED APPROACH: Climb to 1000 then climbing
 left turn to 1700 direct LITBY WP and hold.

AWOS-3
120.675

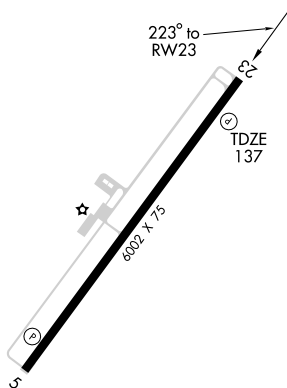
SEYMOUR JOHNSON APP CON★
119.7 273.6

GCO
135.075

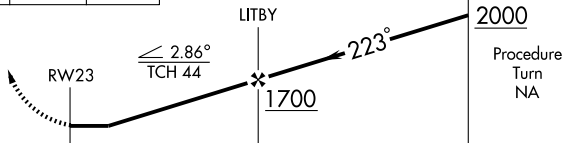
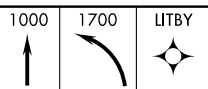
UNICOM
123.0 (CTAF) **0**



ELEV 137



REIL Rwy 5 and 23 **0**
 MRL Rwy 5-23 **0**



CATEGORY	A	B	C	D
S-23	500-1 363 (400-1)			500-1¼ 363 (400-1¼)
CIRCLING	560-1 423 (500-1)	600-1 463 (500-1)	600-1½ 463 (500-1½)	760-2 623 (700-2)

KENANSVILLE, NORTH CAROLINA

Orig-B 10210

KENANSVILLE/ DUPLIN COUNTY (DPL)

35° 00'N - 77° 59'W

GPS RWY 23



SE-2, 21 OCT 2010 to 18 NOV 2010

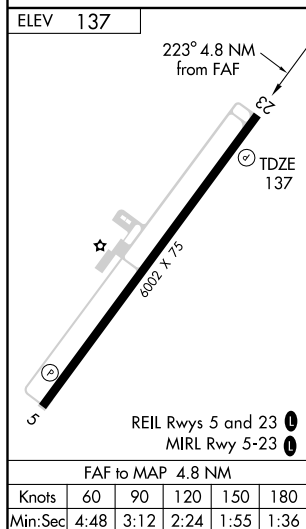
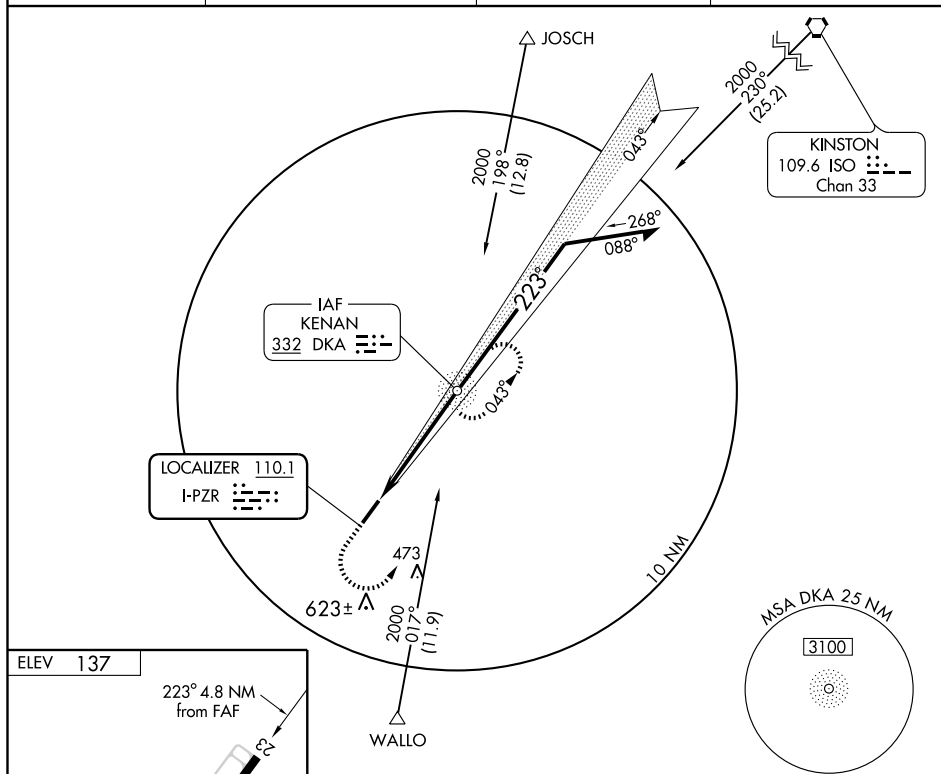
SE-2, 21 OCT 2010 to 18 NOV 2010



LOC I-PZR 110.1	APP CRS 223°	Rwy Idg TDZE Apt Elev	6002 137 137
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LOC RWY 23

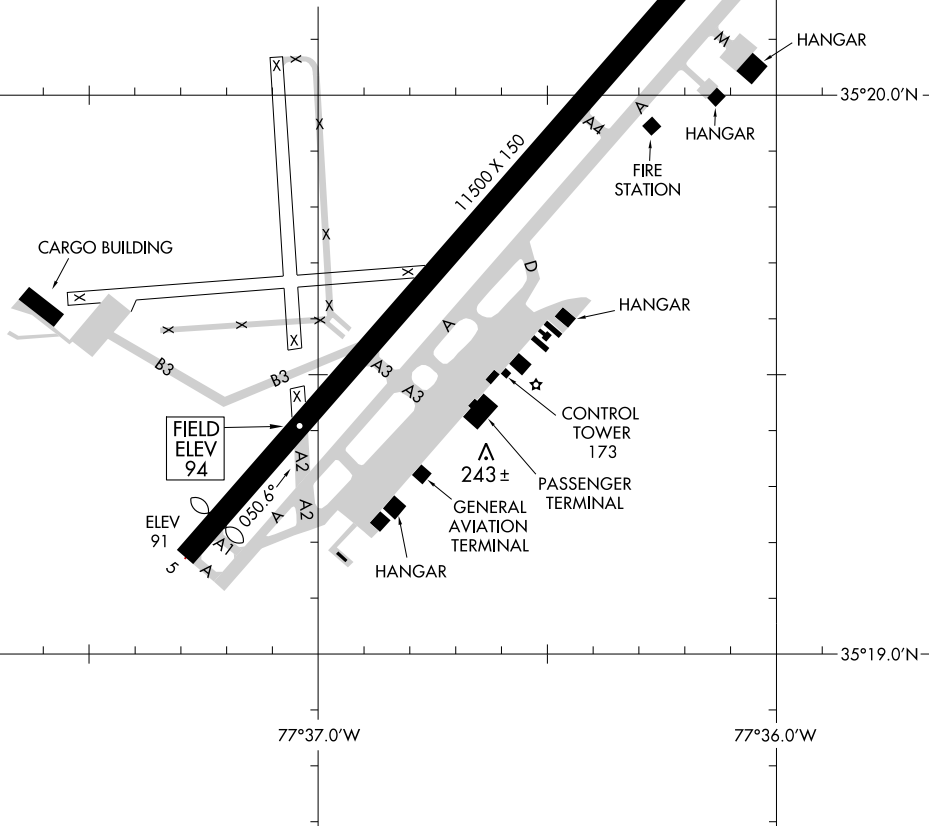
KENANSVILLE/DUPLIN COUNTY (DPL)

 NA		ADF REQUIRED		MISSED APPROACH: Climb to 1000 then climbing left turn to 2000 direct DKA NDB and hold.	
AWOS-3 120.675		SEYMOUR JOHNSON APP CON* 119.7 273.6		GCO 135.075	
				UNICOM 123.0 (CTAF) 	



ELEV 137		223° 4.8 NM from FAF		TDZE 137	
REIL Rwy 5 and 23 		MIRL Rwy 5-23 			
FAF to MAP 4.8 NM					
Knots		60	90	120	150
Min:Sec		4:48	3:12	2:24	1:55
					1:36
CATEGORY		A	B	C	D
S-23		560-1	423 (500-1)	560-1½	423 (500-1½)
CIRCLING		560-1	600-1	600-1½	760-2
		423 (500-1)	463 (500-1)	463 (500-1½)	623 (700-2)

AIRPORT DIAGRAM

KINSTON RGNL JETPORT AT STALLINGS FIELD (ISO)
AL-5038 (FAA) KINSTON, NORTH CAROLINAKINSTON TOWER
120.6 335.55
GND CON
121.9RWY 05-23
S-90, D-135, 2S-175, 2D-260CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBCK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.JANUARY 2010
ANNUAL RATE OF CHANGE
0.0° W

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

AIRPORT DIAGRAM

KINSTON, NORTH CAROLINA
KINSTON RGNL JETPORT AT STALLINGS FIELD (ISO)

KINSTON RGNL JETPORT AT STALLINGS FLD (ISO) 3 NW UTC-5(-4DT)

N35°19.89' W77°36.53'

93 B S4 **FUEL** 100LL, JET A Class I, ARFF Index B NOTAM FILE ISO**RWY 05-23:** H11500X150 (ASPH-GRVD) S-90, D-135, 2S-175, 2D-260 HIRL**RWY 05:** MALSR. PAPI(P4L)—GA 3.0° TCH 60'. Thld dsplcd 540'.**RWY 23:** REIL. PAPI(P4L)—GA 3.0° TCH 74'. Pole.**AIRPORT REMARKS:** Attended 1130-0300Z±. CLOSED to unscheduled air carrier opr with more than 30 passenger seats except 24 hr PPR call arpt manager 252-522-2922. When twr clsd ACTIVATE HIRL Rwy 05-23, MALSR Rwy 05 and REIL Rwy 23—CTAF.**WEATHER DATA SOURCES:** AWOS-3 132.75 (252) 522-2712. LAWRS.**COMMUNICATIONS:** CTAF 120.6 **UNICOM** 122.95**RCO** 122.15R 109.6T (RALEIGH RADIO)⑧ **SEYMOUR JOHNSON APP/DEP CON** 127.3 (1200-0430Z±)**WASHINGTON CENTER APP/DEP CON** 135.5 (0430-1200Z±)**TOWER** 120.6 (1130-0300Z±) **GND CON** 121.9**AIRSPACE:** CLASS D svc 1130-0300Z± other times CLASS G.**RADIO AIDS TO NAVIGATION:** NOTAM FILE ISO.(L) **VORTAC** 109.6 ISO Chan 33 N35°22.26' W77°33.50' 231° 3.4 NM to fld. 106/05W.

VOR portion unusable 221°-231° byd 30 NM blo 2000'.

STALS NDB (LOM) 276 IS N35°14.64' W77°41.90' 049° 6.8 NM to fld.**ILS** 111.3 I-ISO Rwy 05. Class IT. LOM **STALS NDB**. Unmonitored when twr clsd. LOC BC unusable. MM OTS indef.**LAKE NORMAN AIRPARK** (See MOORESVILLE)**LANEYS** (See MAIDEN)**LAURINBURG-MAXTON** (See MAXTON)**LEEEO** N35°29.84' W79°08.40' NOTAM FILE TTA.**NDB (MHW/LOM)** 406 TT 028° 5.5 NM to Raleigh Exec Jetport at Sanford-Lee Co Rgnl.

CHARLOTTE

L-35B, 36F

LEEUV N35°55.63' W78°43.32' NOTAM FILE RDU.**NDB (HW/LOM)** 350 LE 234° 4.4 NM to Raleigh-Durham Intl.

CHARLOTTE

L-36F

LEXINGTON**DAVIDSON CO** (EXX) 3 SW UTC-5(-4DT) N35°46.87' W80°18.23'733 B S4 **FUEL** 100LL, JET A+ NOTAM FILE EXX**RWY 06-24:** H5004X99 (ASPH) MIRL 0.6% up SW**RWY 06:** REIL. PAPI(P2L)—GA 4.0° TCH 32'. Trees.**RWY 24:** REIL. PAPI(P2L)—GA 3.0° TCH 32'. Trees.**AIRPORT REMARKS:** Attended 1300-0230Z±. Wildlife on and invof arpt.

Follow taxiway centerline to parking. Maximum ramp weight

30,000 pounds single wheel, 60,000 pounds dual wheel. After

0500Z± ACTIVATE PAPI Rwy 06 and Rwy 24, REIL Rwy 06 and Rwy

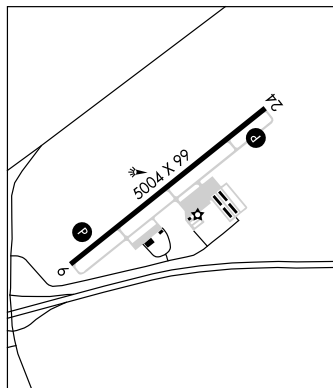
24—CTAF.

WEATHER DATA SOURCES: AWOS-3 119.825 (336) 956-2967.**COMMUNICATIONS:** CTAF/UNICOM 122.8⑧ **GREENSBORO APP/DEP CON** 118.5**GCO** 135.075 (GREENSBORO CLNC and FLIGHT SERVICES)**RADIO AIDS TO NAVIGATION:** NOTAM FILE GSO.**GREENSBORO (H) VORTAC** 116.2 GSO Chan 109 N36°02.74'W79°58.58' 228° 22.5 NM to fld. 879/3W. **HIWAS**.**ILS/DME** 108.75 I-EXX Chan 24(Y) Rwy 06**COMM/NAV/WEATHER REMARKS:** GCO OTS indef.

CHARLOTTE

H-9B, 12H, L-25D, 36F

IAP

**LIBERTY** N35°48.70' W79°36.76' NOTAM FILE RDU.(L) **VORTAC** 113.0 LIB Chan 77 001° 6.1 NM to Causey. 830/03W.**RCO** 122.1R 113.0T (RALEIGH RADIO)

CHARLOTTE

H-9C, 12H, L-25E, 36F

LOC I-ISO 111.3	APP CRS 050°	Rwy ldg TDZE 94 Apt Elev 94
---------------------------	------------------------	---

KINSTON RGNL JETPORT AT STALLINGS FIELD (ISO)



When control tower closed, use
Seymour Johnson AFB altimeter setting.
ADF REQUIRED



MISSED APPROACH: Climb to 3000
direct ISO VORTAC and hold.

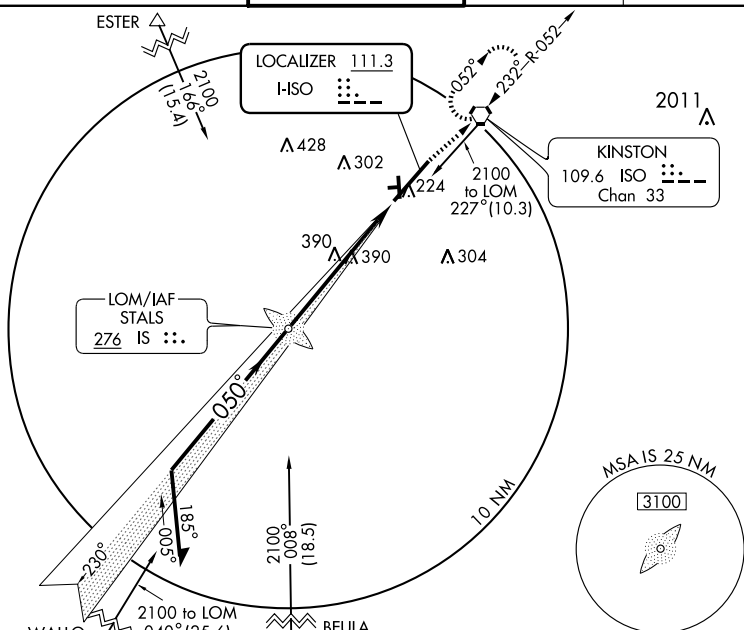
AWOS-3
132.75

SEYMOUR JOHNSON APP CON ★
127.3 273.6

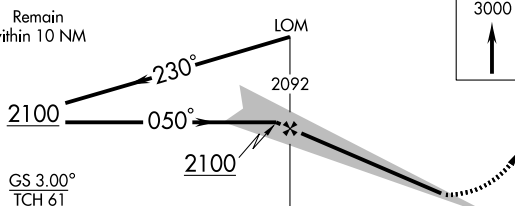
KINSTON TOWER ★
120.6 (CTAF) 335.55

GND CON
121.9

UNICOM
122.95



Remain
within 10 NM



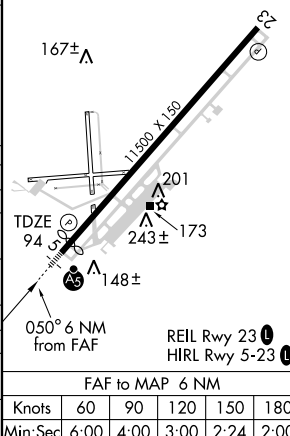
3000
ISO
109.6

ELEV **94** Rwy 5 ldg 10960'

CATEGORY	A	B	C	D
S-ILS 5	294-1/2 200 (200-1/2)			
S-LOC 5	640-1/2	546 (600-1/2)	640-1 546 (600-1)	640-1 1/4 546 (600-1 1/4)
CIRCLING	640-1	546 (600-1)	640-1 1/2 546 (600-1 1/2)	660-2 566 (600-2)

SEYMOUR JOHNSON AFB ALTIMETER SETTING MINIMUMS

S-ILS 5	336-1/2 242 (300-1/2)			
S-LOC 5	700-1/2	606 (700-1/2)	700-1 1/4 606 (700-1 1/4)	700-1 1/2 606 (700-1 1/2)
CIRCLING	700-1	606 (700-1)	700-1 3/4 606 (700-1 3/4)	700-2 606 (700-2)



FAF to MAP 6 NM					
Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00

WAAS CH 82004 W05A	APP CRS 050°	Rwy Idg 10960 TDZE 94 Apt Elev 94
--	------------------------	--

RNAV (GPS) RWY 5

KINSTON RGNL JETPORT AT STALLINGS FIELD (ISO)

▼ If local altimeter setting not received, use Goldsboro-Wayne Muni altimeter setting and increase LPV DA to 500 feet, increase LNAV/VNAV DA to 533 feet; increase all MDAs 60 feet. VDP NA when using Goldsboro-Wayne Muni altimeter setting. For inoperative MALSR, increase LPV visibility to 1¼ mile all Cats. Baro-VNAV NA when using Goldsboro-Wayne Muni altimeter setting. DME/DME RNP-0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F).

MALSR



MISSED APPROACH:
Climb to 2500 direct
WINTI and hold.

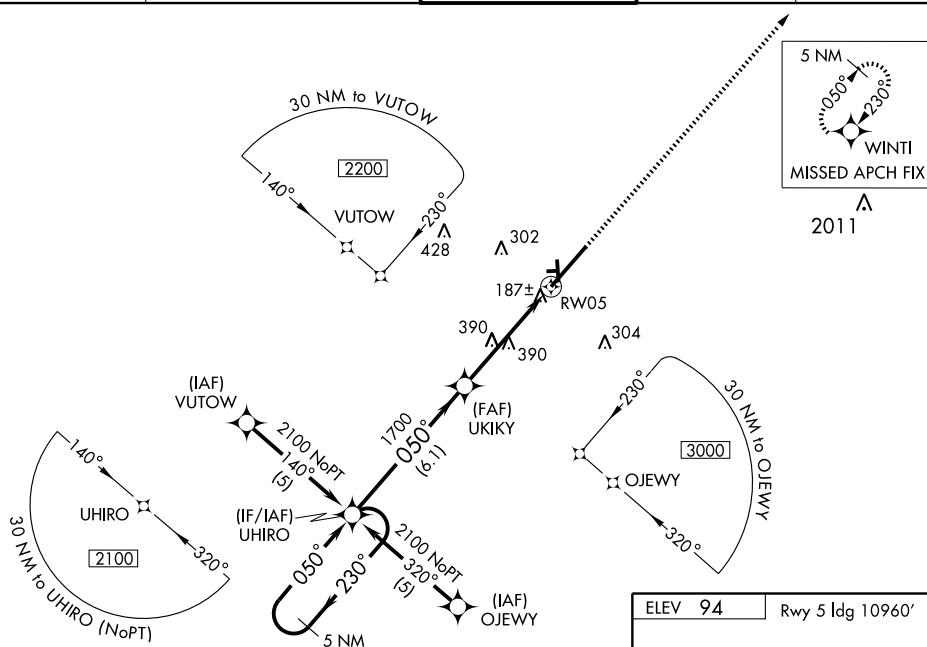
AWOS-3
132.75

SEYMOUR JOHNSON APP CON ★
127.3 273.6

KINSTON TOWER ★
120.6 (CTAF) 335.55

GND CON
121.9

UNICOM
122.95



5 NM
Holding Pattern

2100
← 230°
050° →

GS 3.00°
TCH 60

UHIRO

UKIKY

*1.5 NM
to RW05

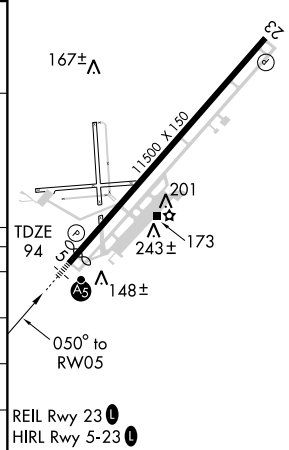
2500
↑



*LNAV Only

RW05

ELEV 94 Rwy 5 Idg 10960'



REIL Rwy 23
HIRL Rwy 5-23

KINSTON, NORTH CAROLINA

Amdt 2 07298

KINSTON RGNL JETPORT AT STALLINGS FIELD (ISO)

35° 20' N - 77° 37' W

RNAV (GPS) RWY 5

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

WAAS CH 77704 W23A	APP CRS 230°	Rwy Idg 11500 TDZE 88 Apt Elev 94
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RNAV (GPS) RWY 23

KINSTON RGNL JETPORT AT STALLINGS FIELD (ISO)

▼ If local altimeter setting not received, use Goldsboro-Wayne Muni altimeter setting and increase LPV DA to 473 feet, increase LNAV/VNAV DA to 517 feet; increase all MDAs 60 feet. VDP NA when using Goldsboro-Wayne Muni altimeter setting. Baro-VNAV NA when using Goldsboro-Wayne Muni altimeter setting. DME/DME RNP-0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). Visibility reduction by helicopters NA.

MISSED APPROACH:
Climb to 2100 direct
UHIRO and hold.

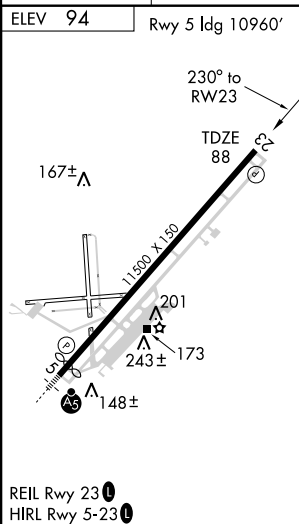
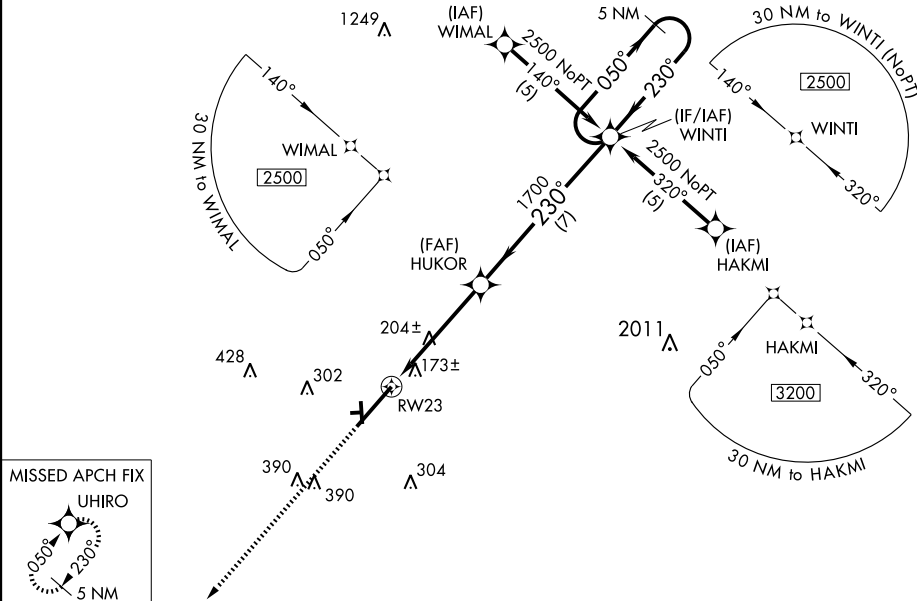
AWOS-3
132.75

SEYMOUR JOHNSON APP CON ★
127.3 273.6

KINSTON TOWER ★
120.6 (CTAF) 335.55

GND CON
121.9

UNICOM
122.95



ELEV 94 Rwy 5 Idg 10960'		2100 UHIRO		VGSI and RNAV glidepath not coincident.		5 NM Holding Pattern	
167±		230° to RWY 23		TDZE 88		WINTI	
11500 x150		201		243±		173	
148±		0.9 NM		3.9 NM		7 NM	
CATEGORY		A		B		C	
LPV DA		423-1¼		335 (400-1¼)			
LNAV/VNAV DA		467-1¼		379 (400-1¼)			
LNAV MDA		460-1		372 (400-1)		460-1¼	
		446 (500-1)		466 (500-1)		566 (600-2)	
CIRCLING		540-1		560-1		560-1½	
		446 (500-1)		466 (500-1)		566 (600-2)	

VOR RWY 23

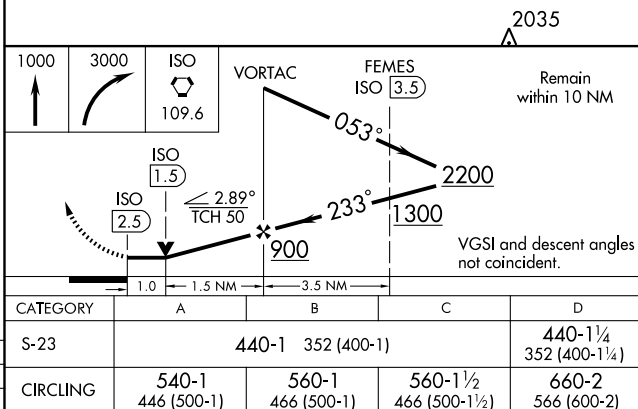
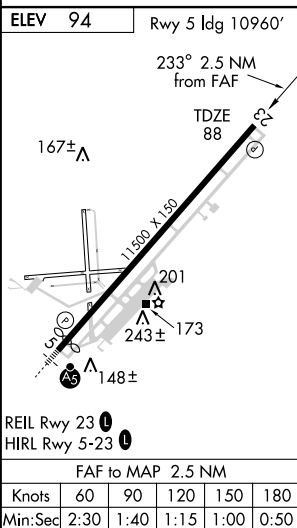
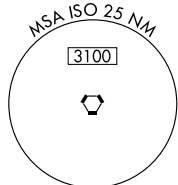
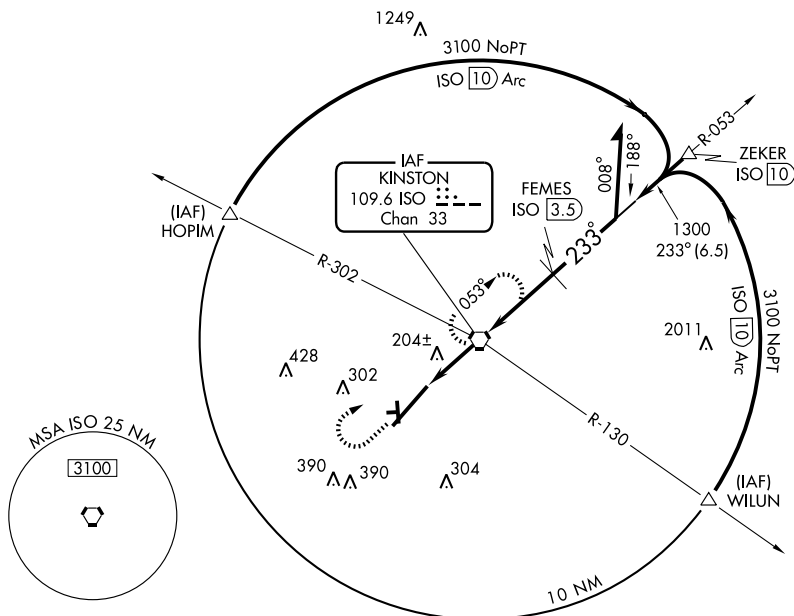
KINSTON RGNL JETPORT AT STALLINGS FIELD (ISO)

VORTAC ISO	APP CRS	Rwy Idg	11500
109.6	233°	TDZE	88
Chan 33		Apt Elev	94

A When local altimeter setting not received, use Seymour Johnson AFB altimeter setting and increase all MDAs 60 feet and visibility Cat. C ¼ mile. VDP NA with Seymour Johnson AFB altimeter setting. DME REQUIRED.

MISSED APPROACH: Climb to 1000 then climbing right turn to 3000 direct ISO VORTAC and hold.

AWOS-3	SEYMOUR JOHNSON APP CON ★	KINSTON TOWER ★	GND CON	UNICOM
132.75	127.3 273.6	120.6 (CTAF) 335.55	121.9	122.95



KINSTON, NORTH CAROLINA

Amdt 15 08101

KINSTON RGNL JETPORT AT STALLINGS FIELD (ISO)

35°20'N - 77°37'W

VOR RWY 23

KINSTON RGNL JETPORT AT STALLINGS FLD (ISO) 3 NW UTC-5(-4DT)

N35°19.89' W77°36.53'

93 B S4 **FUEL** 100LL, JET A Class I, ARFF Index B NOTAM FILE ISO**RWY 05-23:** H11500X150 (ASPH-GRVD) S-90, D-135, 2S-175, 2D-260 HIRL**RWY 05:** MALSR. PAPI(P4L)—GA 3.0° TCH 60'. Thld dsplcd 540'.**RWY 23:** REIL. PAPI(P4L)—GA 3.0° TCH 74'. Pole.**AIRPORT REMARKS:** Attended 1130-0300Z±. CLOSED to unscheduled air carrier opr with more than 30 passenger seats except 24 hr PPR call arpt manager 252-522-2922. When twr clsd ACTIVATE HIRL Rwy 05-23, MALSR Rwy 05 and REIL Rwy 23—CTAF.**WEATHER DATA SOURCES:** AWOS-3 132.75 (252) 522-2712. LAWRS.**COMMUNICATIONS:** CTAF 120.6 **UNICOM** 122.95**RCO** 122.15R 109.6T (RALEIGH RADIO)⑧ **SEYMOUR JOHNSON APP/DEP CON** 127.3 (1200-0430Z±)**WASHINGTON CENTER APP/DEP CON** 135.5 (0430-1200Z±)**TOWER** 120.6 (1130-0300Z±) **GND CON** 121.9**AIRSPACE:** CLASS D svc 1130-0300Z± other times CLASS G.**RADIO AIDS TO NAVIGATION:** NOTAM FILE ISO.(L) **VORTAC** 109.6 ISO Chan 33 N35°22.26' W77°33.50' 231° 3.4 NM to fld. 106/05W.

VOR portion unusable 221°-231° byd 30 NM blo 2000'.

STALS NDB (LOM) 276 IS N35°14.64' W77°41.90' 049° 6.8 NM to fld.**ILS** 111.3 I-ISO Rwy 05. Class IT. LOM **STALS NDB**. Unmonitored when twr clsd. LOC BC unusable. MM

OTS indef.

LAKE NORMAN AIRPARK (See MOORESVILLE)**LANEYS** (See MAIDEN)**LAURINBURG-MAXTON** (See MAXTON)**LEEEO** N35°29.84' W79°08.40' NOTAM FILE TTA.**NDB (MHW/LOM)** 406 TT 028° 5.5 NM to Raleigh Exec Jetport at Sanford-Lee Co Rgnl.

CHARLOTTE

L-35B, 36F

LEEUV N35°55.63' W78°43.32' NOTAM FILE RDU.**NDB (HW/LOM)** 350 LE 234° 4.4 NM to Raleigh-Durham Intl.

CHARLOTTE

L-36F

LEXINGTON**DAVIDSON CO** (EXX) 3 SW UTC-5(-4DT) N35°46.87' W80°18.23'733 B S4 **FUEL** 100LL, JET A+ NOTAM FILE EXX**RWY 06-24:** H5004X99 (ASPH) MIRL 0.6% up SW**RWY 06:** REIL. PAPI(P2L)—GA 4.0° TCH 32'. Trees.**RWY 24:** REIL. PAPI(P2L)—GA 3.0° TCH 32'. Trees.**AIRPORT REMARKS:** Attended 1300-0230Z±. Wildlife on and invof arpt.

Follow taxiway centerline to parking. Maximum ramp weight

30,000 pounds single wheel, 60,000 pounds dual wheel. After

0500Z± ACTIVATE PAPI Rwy 06 and Rwy 24, REIL Rwy 06 and Rwy

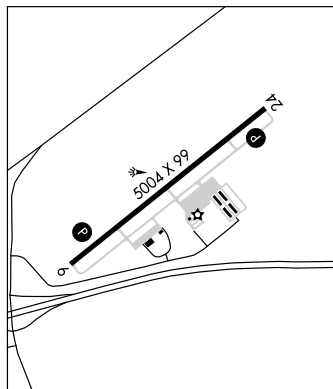
24—CTAF.

WEATHER DATA SOURCES: AWOS-3 119.825 (336) 956-2967.**COMMUNICATIONS:** CTAF/UNICOM 122.8⑧ **GREENSBORO APP/DEP CON** 118.5**GCO** 135.075 (GREENSBORO CLNC and FLIGHT SERVICES)**RADIO AIDS TO NAVIGATION:** NOTAM FILE GSO.**GREENSBORO (H) VORTAC** 116.2 GSO Chan 109 N36°02.74'W79°58.58' 228° 22.5 NM to fld. 879/3W. **HIWAS**.**ILS/DME** 108.75 I-EXX Chan 24(Y) Rwy 06**COMM/NAV/WEATHER REMARKS:** GCO OTS indef.

CHARLOTTE

H-9B, 12H, L-25D, 36F

IAP

**LIBERTY** N35°48.70' W79°36.76' NOTAM FILE RDU.(L) **VORTAC** 113.0 LIB Chan 77 001° 6.1 NM to Causey. 830/03W.**RCO** 122.1R 113.0T (RALEIGH RADIO)

CHARLOTTE

H-9C, 12H, L-25E, 36F

APP CRS 058°	Rwy Idg TDZE Apt Elev	5004 733 733
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GPS RWY 6

LEXINGTON/DAVIDSON COUNTY (EXX)



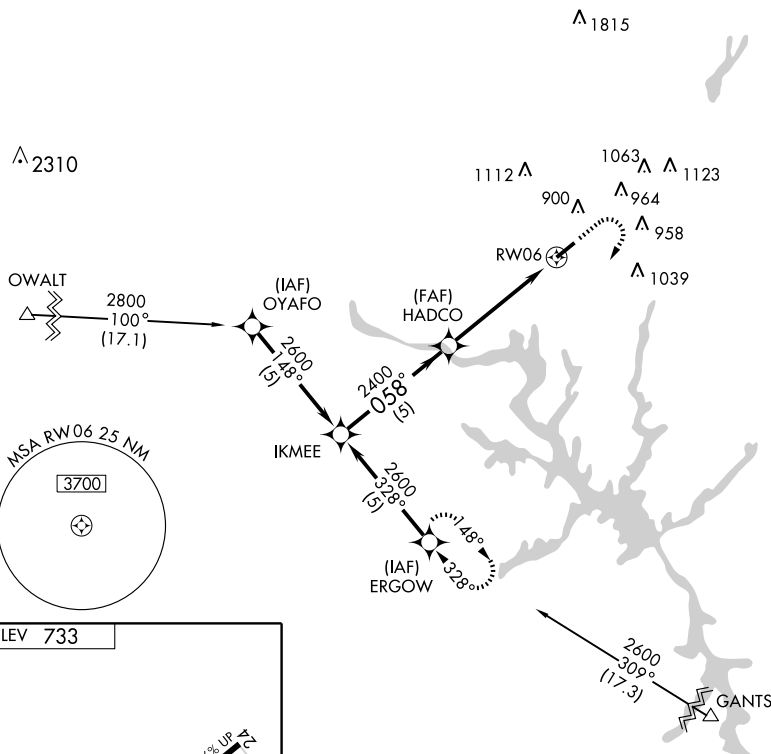
Use Greensboro altimeter setting.

MISSED APPROACH: Climb to 1800 then climbing right turn to 2600 direct ERGOW WP and hold.

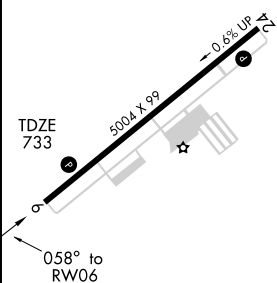
AWOS-3
119.825

GREENSBORO APP CON
118.5 327.075

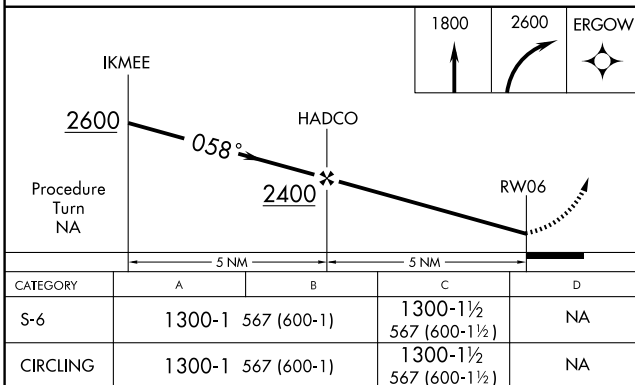
GCO
135.075

UNICOM
122.8 (CTAF) **L**

ELEV 733



MIRL Rwy 6-24
REIL Rwy 6 and 24 **L**



LEXINGTON, NORTH CAROLINA
Orig 08325

35°47'N-80°18'W

LEXINGTON/DAVIDSON COUNTY (EXX)

GPS RWY 6

SE-2. 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy Idg	5004
238°	TDZE	733
	Apt Elev	733

GPS RWY 24

LEXINGTON/ DAVIDSON COUNTY (E.XX)



Use Greensboro altimeter setting.

MISSED APPROACH: Climb to 1800 then climbing
left turn to 2600 direct EMERE WP and hold.

AWOS-3
119.825

GREENSBORO APP CON
118.5 327.075

GCO
135.075

UNICOM
122.8 (CTAF) **0**

1112 A

1815 A

1112 A

900 A

964 A

1063 A

1123 A

958 A

1038 A

RW24

2.4 NM to RW24

HACNI

2400

238°

(5)

2600

228°

(12.2)

2600

328°

(5)

148°

328°

(5)

(IAF)

EMERE

3600

279°

(22.5)

LIBERTY LIB

GSO

ELEV 733

238° to RW24

0.6% Up

TDZE 733

5004 X 99

MSA RW 24 2.5 NM

3700

1800

2600

EMERE

HACNI

IKWAM

2600

2.4 NM to RW24

1520

2400

238°

Procedure
Turn
NA

CATEGORY

A

B

C

D

S-24

1320-1

587 (600-1)

1320-1½

587 (600-1½)

NA

CIRCLING

1320-1

587 (600-1)

1320-1½

587 (600-1½)

NA

MIRL Rwy 6-24

REIL Rwy 6 and 24 **0**

LOC/DME I-EXX
108.75
Chan **24 (Y)**

APP CRS
058°

Rwy Idg	5004
TDZE	733
Apt Elev	733

ILS or LOC/DME RWY 6
LEXINGTON/DAVIDSON COUNTY (EXX)

T
A NA

If local altimeter setting not received, use Salisbury altimeter setting and increase DA to 970 feet; increase all MDAs 40 feet.

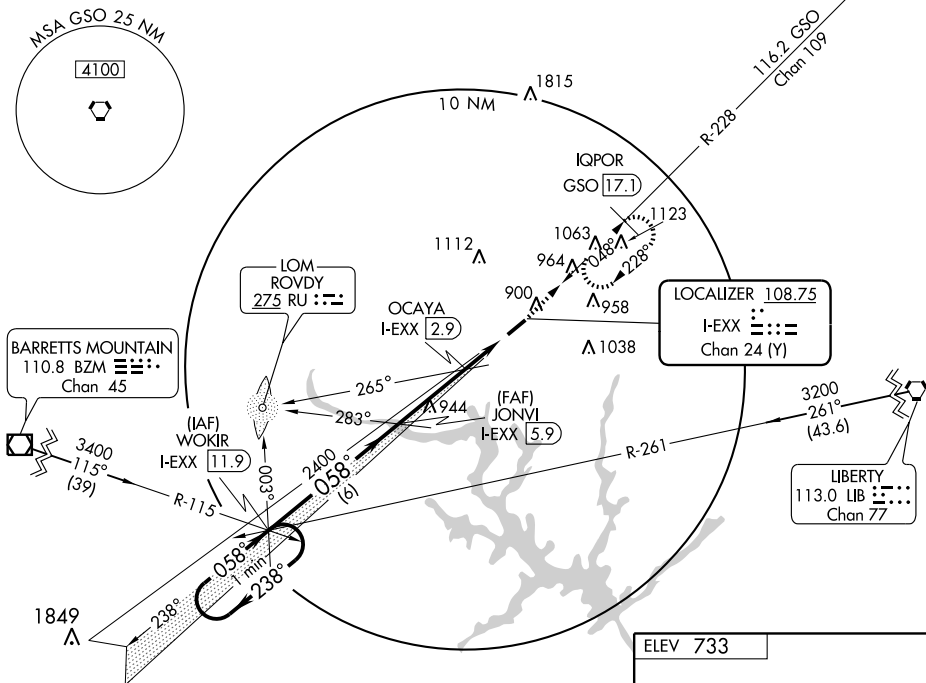
MISSED APPROACH: Climb to 2600 via heading 052° and GSO R-228 to IQPOR/GSO 17.1 DME and hold.

AWOS-3
119.825

GREENSBORO APP CON
118.5 327.075

GCO
135.075

UNICOM
122.8 (CTAF) **L**



One Minute Holding Pattern

WOKIR
-EXX 11.9

3200 ←

GS 3.00°
TCH 39
VGS1 and ILS glidepath
not coincident.

JONVI
I-EXX 5.9

2400

* LOC only

2600

↑
HDG 052°

IQPOR
ESQ 17

I-EXX [2]

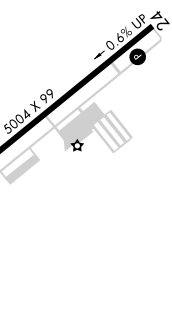
400

I-EXX
0.9

ELEV 733

TDZE
733

058° 5 NM
from FAF



CATEGORY	A	B	C	D
S-ILS 6	933-1 200 (200-1)			NA
S-LOC 6	1120-1 387 (400-1)			NA
CIRCLING	1200-1 467 (500-1)		1220-1 $\frac{1}{2}$ 487 (500-1 $\frac{1}{2}$)	NA

MIRL Rwy 6-24
REIL Rwy 6 and 24 **L**

VOR/DME GSO 116.2 Chan 109	APP CRS 228°	Rwy Idg TDZE Apt Elev 5004 733
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VOR/DME RWY 24

LEXINGTON/ DAVIDSON COUNTY (E.XX)

V
Δ NA Use Greensboro altimeter setting.

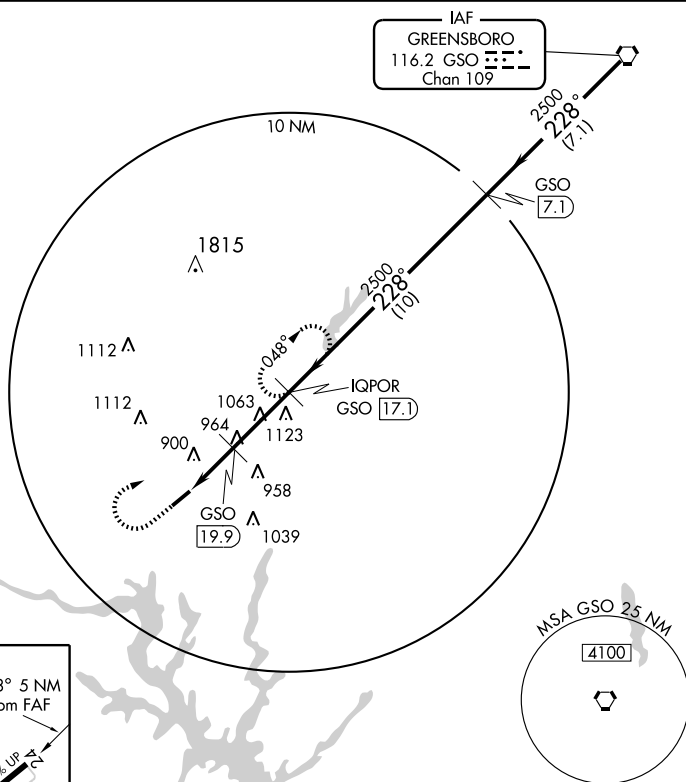
MISSED APPROACH: Climb to 1800 then climbing right turn via GSO R-228 to 2500 to IQPOR/GSO 17.1 DME and hold.

AWOS-3
119.825

GREENSBORO APP CON
118.5 327.075

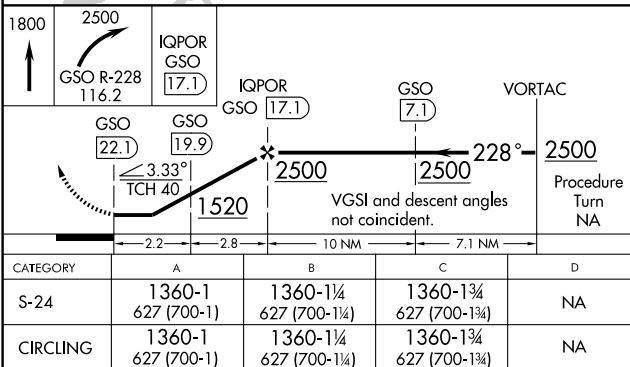
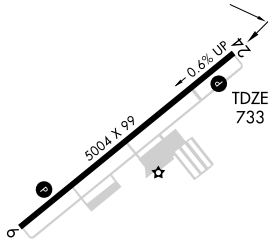
GCO
135.075

UNICOM
122.8 (CTAF) 1



ELEV 733

228° 5 NM
from FAF



MIRL Rwy 6-24
REIL Rwy 6 and 24 1

LIBERTY

CAUSEY (2A5) 4 NW UTC-5(-4DT) N35°54.71' W79°37.06'

723 B S4 FUEL 100LL, JET A1+ OX 1 NOTAM FILE RDU

RWY 02-20: H3800X40 (ASPH) S-8 LIRL(NSTD)

RWY 02: Trees. RWY 20: Tree.

AIRPORT REMARKS: Attended Mon-Sat 1300-2200Z†, Sun 1800-2200Z†. CLOSED New Year's Day, Easter, Jul 4th, Thanksgiving and Christmas. Fuel tank located 500' from Rwy 20 thld and 125' left. Rwy 02-20 NSTD LIRL; thld lgts located in the grass area 200' before the apch end Rwy 02; Rwy 20 thld lgts located in the grass area 300' before the AER 20. Rwy 02-20 NSTD LIRL lgts smaller than standard and 20' from pavement edge. Rwy 02 numbers NSTD basic; smaller than normal. Rwy 20 NSTD markings; smaller than normal. Soft dirt all rwy edges; exit ramp and twy. Building and parked acft within 90' of centerline at N end of rwy.

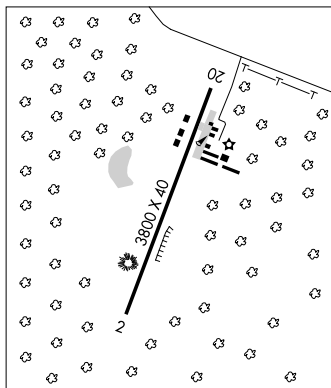
COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ GREENSBORO APP/DEP CON 118.5

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

LIBERTY (L) VORTAC 113.0 LIB Chan 77 N35°48.70'

W79°36.76' 001° 6.1 NM to fld. 830/03W.



CHARLOTTE

L-25A, 36F

IAF

HINSHAW (GREENACRES) (N61) 3 NE UTC-5(-4DT) N35°52.42' W79°31.65'

750 NOTAM FILE RDU

RWY 03-21: 1400X100 (TURF)

RWY 03: Trees. RWY 21: Trees.

AIRPORT REMARKS: Unattended. Ultralight activity on and invof arpt. 4' fence end of Rwy 3 and along both sides of rwy in primary surface. Rwy 03-21 width 50' maintained regularly. Arpt in traffic pattern of Causey Airport 2A5 (2 miles east) CTAF 122.8.

COMMUNICATIONS: CTAF 122.9

CHARLOTTE

LINCOLNTON-LINCOLN CO RGNL (IPJ) 5 E UTC-5(-4DT) N35°29.00' W81°09.68'

877 B S4 FUEL 100LL, JET A1+ OX 2, 4 NOTAM FILE IPJ

RWY 05-23: H5500X100 (ASPH) S-30, D-60 MIRL

RWY 05: REIL. PAPI(P2L) GA-3.40° TCH 64'.

RWY 23: REIL. PAPI(P2L) GA-3.45° TCH 30'. Thld dspcd 210'.

Trees.

AIRPORT REMARKS: Attended Apr-Oct 1300-0100Z†, Nov-Mar 1300-0000Z†. CLOSED Christmas Day. Deer, coyote and birds on and invof arpt. Rwy 23 has a 90' dropoff 100' from pavement. MIRL Rwy 05-23 preset low ints, to increase ints and ACTIVATE REIL and PAPI Rwy 05 and Rwy 23-CTAF.

WEATHER DATA SOURCES: AWOS-3 119.675 (704) 735-6954.

COMMUNICATIONS: CTAF/UNICOM 123.05

Ⓡ CHARLOTTE APP/DEP CON 134.75 CLNC DEL 124.9

GCO 124.9 (CHARLOTTE CLNC)

RADIO AIDS TO NAVIGATION: NOTAM FILE CLT.

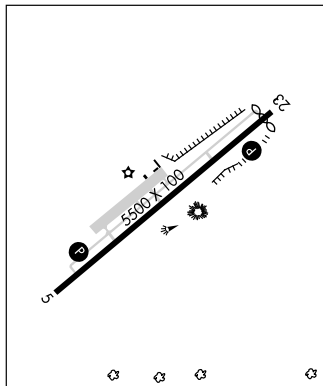
CHARLOTTE (L) VORW/DME 115.0 CLT Chan 97 N35°11.42'

W80°57.11' 335° 20.4 NM to fld. 732/05W. HIWAS.

LINCOLNTON NDB (MHW) 432 IZN N35°32.26' W81°05.19'

234° 4.9 NM to fld. NOTAM FILE RDU.

ILS 111.15 I-IPJ Chan 48(Y) Rwy 23.



CHARLOTTE

H-9B, 12G, L-25D

IAF

LONE HICKORY (See YADKINVILLE)

APP CRS **024°**
 Rwy Idg **3800**
 TDZE **723**
 Apt Elev **723**

RNAV (GPS) RWY 2

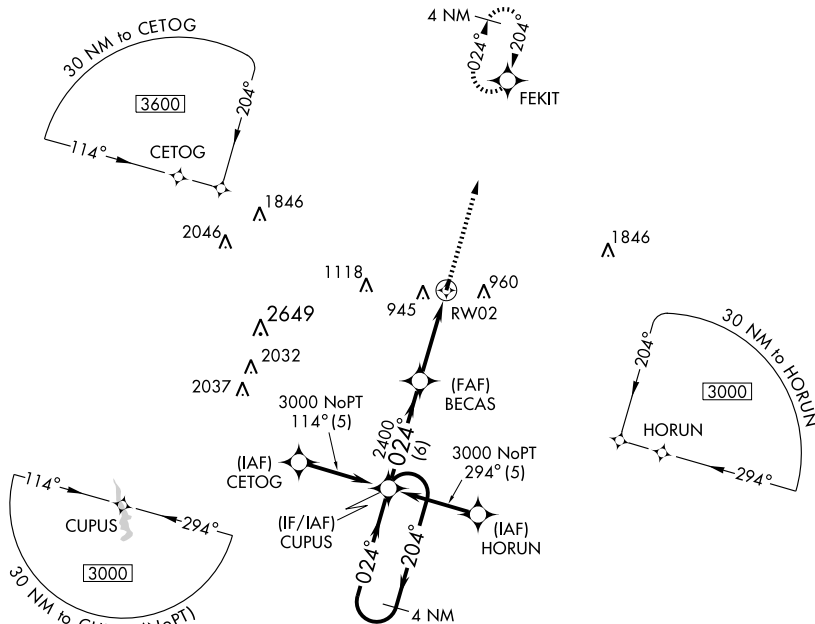
LIBERTY/CAUSEY (2A5)

▼ Obtain local altimeter setting on CTAF; when not received, use Burlington-Alamance altimeter setting minimums. GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. Procedure NA at night.

MISSED APPROACH: Climb to 3000 direct FEKIT WP and hold.

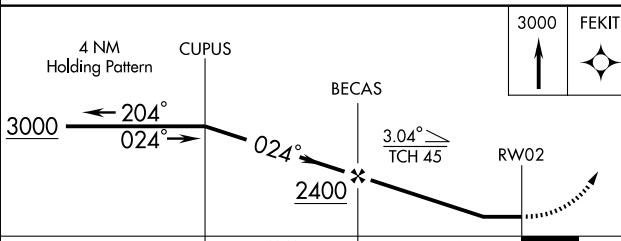
GREENSBORO APP CON
118.5 327.075

UNICOM
122.8 (CTAF)

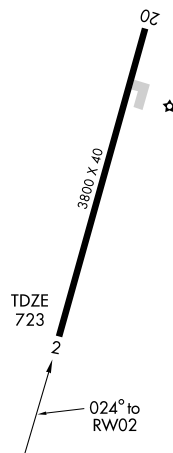


ELEV **723**

LIRL Rwy 2-20



CATEGORY	A	B	C	D
LNAV MDA	1140-1	417 (500-1)	1140-1¼ 417 (500-1¼)	NA
CIRCLING	1180-1 457 (500-1)	1260-1 537 (600-1)	1260-1½ 537 (600-1½)	NA
BURLINGTON-ALAMANCE ALTIMETER SETTING MINIMUMS				
LNAV MDA	1180-1	457 (500-1)	1180-1¼ 457 (500-1¼)	NA
CIRCLING	1220-1 497 (500-1)	1300-1 577 (600-1)	1300-1½ 577 (600-1½)	NA



APP CRS **204°**
Rwy Idg **3800**
TDZE **723**
Apt Elev **723**

RNAV (GPS) RWY 20

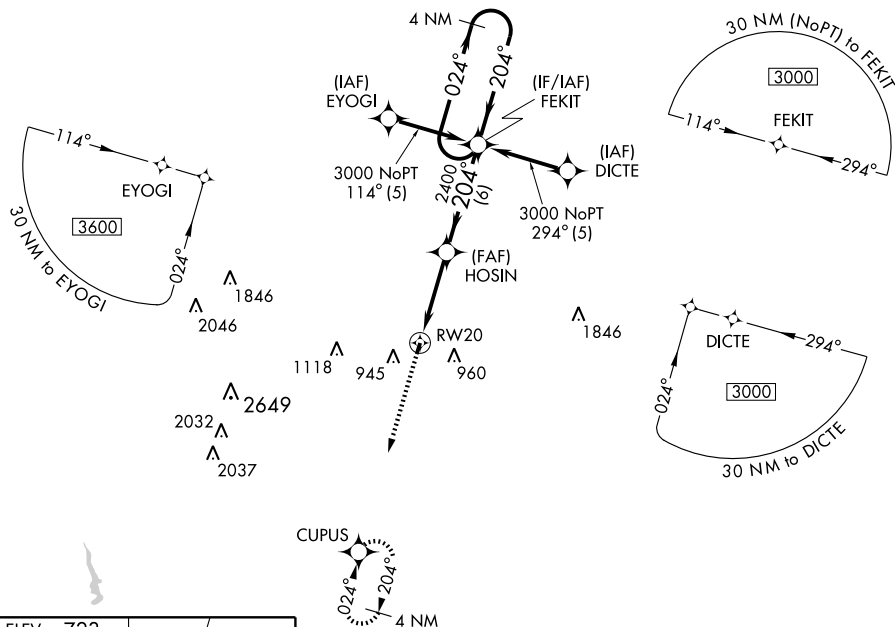
LIBERTY/CAUSEY (2A5)

▼
▲ NA Obtain local altimeter setting on CTAF; when not received, use Burlington-Alamance altimeter setting minimums. GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. Procedure NA at night.

MISSED APPROACH: Climb to 3000 direct CUPUS WP and hold.

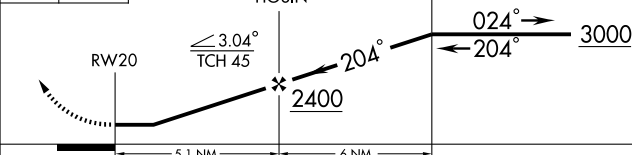
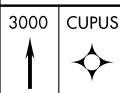
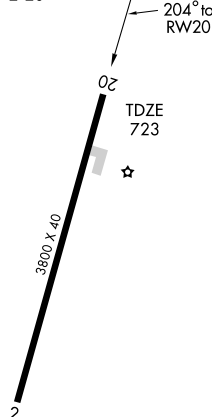
GREENSBORO APP CON
118.5 327.075

UNICOM
122.8 (CTAF)



ELEV **723**

LRL Rwy 2-20



CATEGORY	A	B	C	D
RNAV MDA	1140-1	417 (500-1)	1140-1¼ 417 (500-1¼)	NA
CIRCLING	1180-1 457 (500-1)	1260-1 537 (600-1)	1260-1½ 537 (600-1½)	NA
BURLINGTON-ALAMANCE ALTIMETER SETTING MINIMUMS				
RNAV MDA	1180-1	457 (500-1)	1180-1¼ 457 (500-1¼)	NA
CIRCLING	1220-1 497 (500-1)	1300-1 577 (600-1)	1300-1½ 577 (600-1½)	NA

VORTAC LIB 113.0 Chan 77	APP CRS 360°	Rwy Idg TDZE Apt Elev	3800 723 723
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VOR RWY 2

LIBERTY/CAUSEY (2A5)

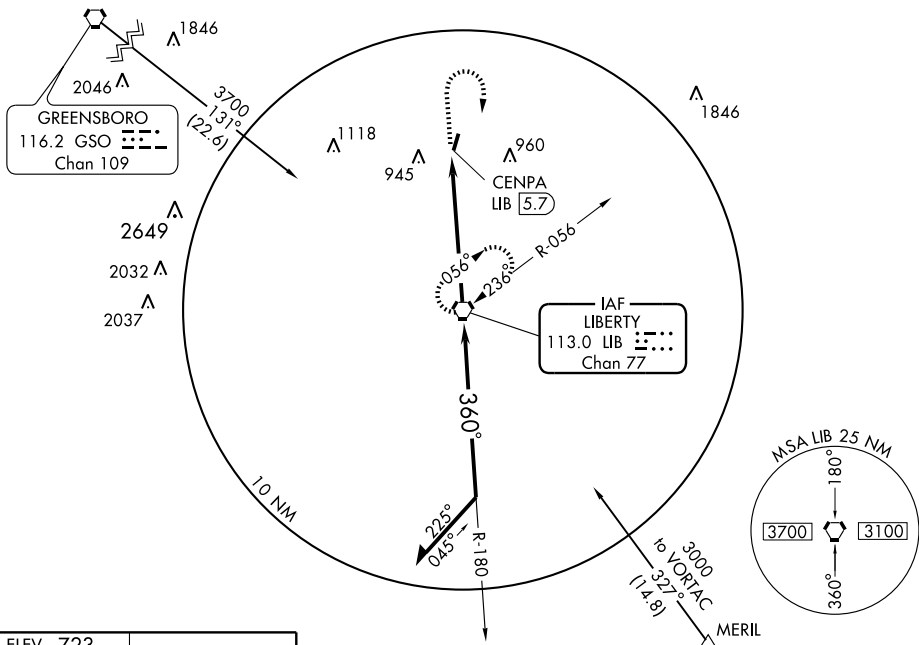
▼ Obtain local altimeter setting on CTAF; when not received, use Burlington-Alamance altimeter setting minimums.

▲ NA

MISSED APPROACH: Climb to 1700 then climbing right turn to 3000 via LIB R-360 to LIB VORTAC and hold.

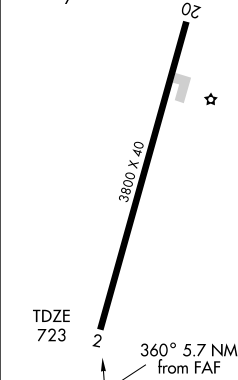
GREENSBORO APP CON
118.5 327.075

UNICOM
122.8 (CTAF)

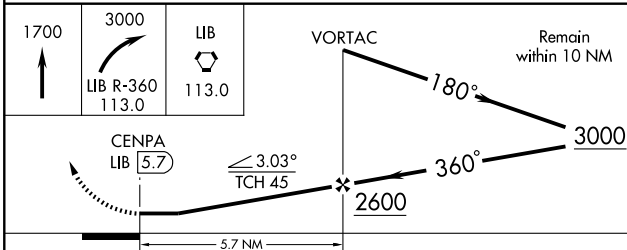


ELEV **723**

LIRL Rwy 2-20



Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54



CATEGORY	A	B	C	D
S-2	1220-1	497 (500-1)	1220-1¼ 497 (500-1¼)	NA
CIRCLING	1220-1 497 (500-1)	1260-1 537 (600-1)	1260-1½ 537 (600-1½)	NA
BURLINGTON-ALAMANCE ALTIMETER SETTING MINIMUMS				
S-2	1260-1	537 (600-1)	1260-1½ 537 (600-1½)	NA
CIRCLING	1260-1 537 (600-1)	1300-1 577 (600-1)	1300-1½ 577 (600-1½)	NA

LIBERTY

CAUSEY (2A5) 4 NW UTC-5(-4DT) N35°54.71' W79°37.06'

723 B S4 FUEL 100LL, JET A1+ OX 1 NOTAM FILE RDU

RWY 02-20: H3800X40 (ASPH) S-8 LIRL(NSTD)

RWY 02: Trees. RWY 20: Tree.

AIRPORT REMARKS: Attended Mon-Sat 1300-2200Z†, Sun 1800-2200Z†. CLOSED New Year's Day, Easter, Jul 4th, Thanksgiving and Christmas. Fuel tank located 500' from Rwy 20 thld and 125' left. Rwy 02-20 NSTD LIRL; thld lgts located in the grass area 200' before the apch end Rwy 02; Rwy 20 thld lgts located in the grass area 300' before the AER 20. Rwy 02-20 NSTD LIRL lgts smaller than standard and 20' from pavement edge. Rwy 02 numbers NSTD basic; smaller than normal. Rwy 20 NSTD markings; smaller than normal. Soft dirt all rwy edges; exit ramp and twy. Building and parked acft within 90' of centerline at N end of rwy.

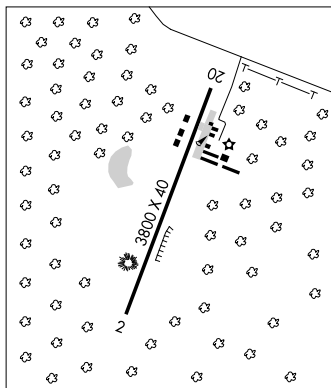
COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ GREENSBORO APP/DEP CON 118.5

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

LIBERTY (L) VORTAC 113.0 LIB Chan 77 N35°48.70'

W79°36.76' 001° 6.1 NM to fld. 830/03W.



CHARLOTTE

L-25A, 36F

IAF

HINSHAW (GREENACRES) (N61) 3 NE UTC-5(-4DT) N35°52.42' W79°31.65'

750 NOTAM FILE RDU

RWY 03-21: 1400X100 (TURF)

RWY 03: Trees. RWY 21: Trees.

AIRPORT REMARKS: Unattended. Ultralight activity on and invof arpt. 4' fence end of Rwy 3 and along both sides of rwy in primary surface. Rwy 03-21 width 50' maintained regularly. Arpt in traffic pattern of Causey Airport 2A5 (2 miles east) CTAF 122.8.

COMMUNICATIONS: CTAF 122.9

CHARLOTTE

LINCOLNTON-LINCOLN CO RGNL (IPJ) 5 E UTC-5(-4DT) N35°29.00' W81°09.68'

877 B S4 FUEL 100LL, JET A1+ OX 2, 4 NOTAM FILE IPJ

RWY 05-23: H5500X100 (ASPH) S-30, D-60 MIRL

RWY 05: REIL. PAPI(P2L) GA-3.40° TCH 64'.

RWY 23: REIL. PAPI(P2L) GA-3.45° TCH 30'. Thld dspcd 210'.

Trees.

AIRPORT REMARKS: Attended Apr-Oct 1300-0100Z†, Nov-Mar 1300-0000Z†. CLOSED Christmas Day. Deer, coyote and birds on and invof arpt. Rwy 23 has a 90' dropoff 100' from pavement. MIRL Rwy 05-23 preset low ints, to increase ints and ACTIVATE REIL and PAPI Rwy 05 and Rwy 23-CTAF.

WEATHER DATA SOURCES: AWOS-3 119.675 (704) 735-6954.

COMMUNICATIONS: CTAF/UNICOM 123.05

Ⓡ CHARLOTTE APP/DEP CON 134.75 CLNC DEL 124.9

GCO 124.9 (CHARLOTTE CLNC)

RADIO AIDS TO NAVIGATION: NOTAM FILE CLT.

CHARLOTTE (L) VORW/DME 115.0 CLT Chan 97 N35°11.42'

W80°57.11' 335° 20.4 NM to fld. 732/05W. HIWAS.

LINCOLNTON NDB (MHW) 432 IZN N35°32.26' W81°05.19'

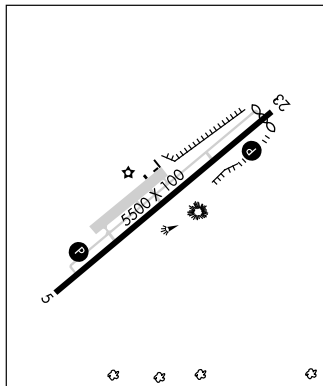
234° 4.9 NM to fld. NOTAM FILE RDU.

ILS 111.15 I-IPJ Chan 48(Y) Rwy 23.

CHARLOTTE

H-9B, 12G, L-25D

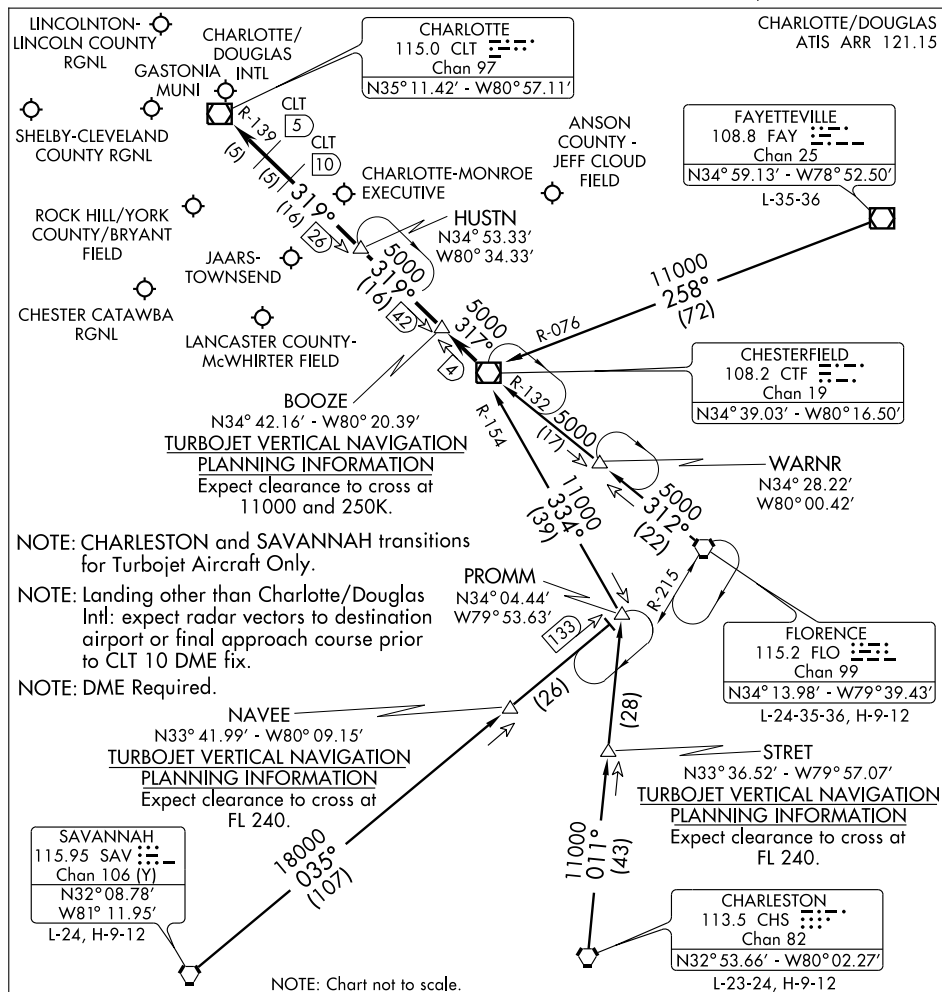
IAF



LONE HICKORY (See YADKINVILLE)

CHESTERFIELD THREE ARRIVAL

CHARLOTTE, NORTH CAROLINA



CHARLESTON TRANSITION (CHS.CTF3): From over CHS VORTAC via CHS R-011 to PROMM INT then via CTF R-154 to CTF VOR/DME. Thence....

FAYETTEVILLE TRANSITION (FAY.CTF3): From over FAY VOR/DME via FAY R-258 and CTF R-076 to CTF VOR/DME. Thence....

FLORENCE TRANSITION (FLO.CTF3): From over FLO VORTAC via FLO R-312 and CTF R-132 to CTF VOR/DME. Thence....

SAVANNAH TRANSITION (SAV.CTF3): From over SAV VORTAC via SAV R-035 to PROMM INT then via CTF R-154 to CTF VOR/DME. Thence....

... From over CTF VOR/DME via CTF R-317 to BOOZE, then via CLT R-139 to:

(LANDING NORTH) HUSTN INT: Expect radar vectors to final approach course.

(LANDING SOUTH) CLT VOR/DME: Expect radar vectors to final approach course prior to CLT 5 DME fix.

CHESTERFIELD THREE ARRIVAL

CHARLOTTE, NORTH CAROLINA

LOC/DME I-IPJ
111.15
 Chan **48 (Y)**

APP CRS
234°

Rwy Idg
 TDZE **873**
 Apt Elev **875**

LOC RWY 23

LINCOLNTON-LINCOLN COUNTY RGNL (IPJ)

▽ If local altimeter setting not received, use Charlotte altimeter setting and increase all MDAs 80 feet.
△ NA ADF REQUIRED

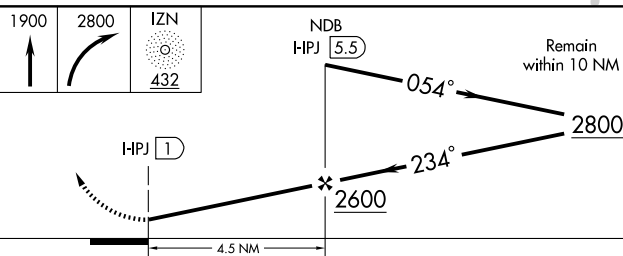
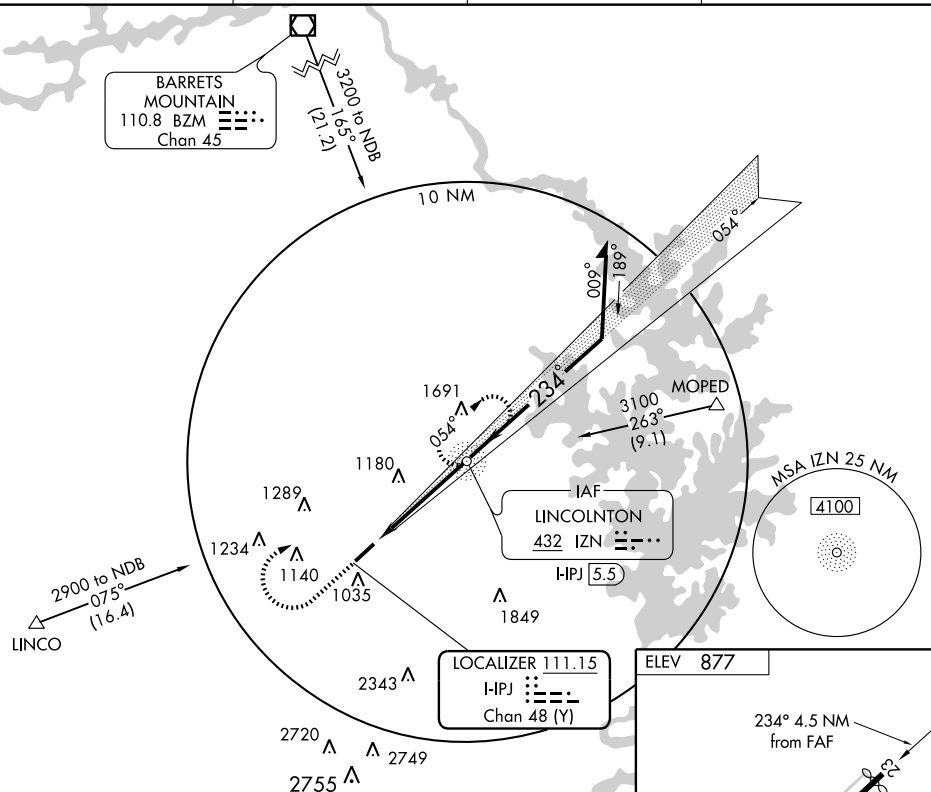
MISSED APPROACH: Climb to 1900, then climbing right turn to 2800 direct IZN NDB and hold.

AWOS-3
119.675

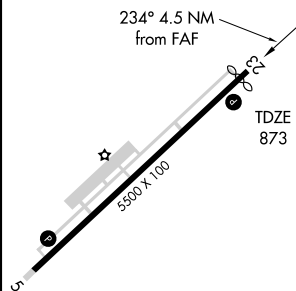
CHARLOTTE APP CON
134.75 257.2

CLNC DEL (GCO)
124.9

UNICOM
123.05 (CTAF) 0



CATEGORY	A	B	C	D
S-23	1340-1 467 (500-1)		1340-1¼ 467 (500-1¼)	1340-1½ 467 (500-1½)
CIRCLING	1400-1 525 (600-1)		1420-1½ 545 (600-1½)	1540-2 665 (700-2)



REIL Rwy 5 and 23
 MRL Rwy 5-23

FAF to MAP 4.5 NM					
Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

MAJIC ONE ARRIVAL

CHARLOTTE, NORTH CAROLINA

CHARLOTTE/DOUGLAS
 ATIS ARR 121.15
 CHARLOTTE APP CON
 (001° -119°) **128.32**
 (120° -245°) **120.05**
 (246° -360°) **134.75**
 (180° -359°) **257.2**
 (360° -179°) **307.8**

ROANOKE
 109.4 ROA
 Chan 31
 N37°20.61' - W80°04.23'
 L-26, H-10-12

MAYOS
 N36°19.59' - W79°59.79'
TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
 Expect to cross at FL220.

MAJIC
 N35°48.71' - W80°26.17'
TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
 Expect to cross at 13,000'/250K.

LYNCHBURG
 109.2 LYH
 Chan 29
 N37°15.28' - W79°14.19'
 L-26-36, H-10-12

KELLS
 N36°35.17' - W79°47.17'

RALEIGH/DURHAM
 117.2 RDU
 Chan 119
 N35°52.35' - W78°47.00'
 L-36, H-9-12

SUDSY
 N35°44.58' - W80°29.63'

LINCOLNTON-
 LINCOLN COUNTY
 RGNL

SHELBY-
 CLEVELAND
 COUNTY RGNL

GASTONIA
 MUNI

ROCK HILL/YORK
 COUNTY/BRYANT
 FIELD

CHESTER CATAWBA
 RGNL

NOTE: Chart not to scale.

CLT
 10

CHARLOTTE
 DOUGLAS
 INTL

CLT
 5

CHARLOTTE
 115.0 CLT
 Chan 97
 N35°11.42' - W80°57.11'

CHARLOTTE-MONROE
 EXECUTIVE

JAARS-
 TOWNSEND

LANCASTER COUNTY-
 McWHIRTER FIELD

GIZMO
 N35°32.99' - W80°39.29'

ANSON COUNTY -
 JEFF CLOUD
 FIELD

LIBERTY
 113.0 LIB
 Chan 77
 N35°48.70' - W79°36.76'

NOTE: DME required.
 NOTE: RADAR required for LIB R-273.
 NOTE: Landing other than Charlotte/
 Douglas Intl; expect radar
 vectors to destination airport
 or final approach course prior
 to CLT 10 DME fix.

LIBERTY TRANSITION (LIB.MAJIC1): From over LIB VORTAC via LIB R-273
 to MAJIC INT. Thence. . .

LYNCHBURG TRANSITION (LYH.MAJIC1): From over LYH VORTAC via LYH R-219
 and CLT R-039 to MAJIC INT. Thence. . .

ROANOKE TRANSITION (ROA.MAJIC1): From over ROA VORTAC via ROA R-181
 and CLT R-039 to MAJIC INT. Thence. . .

. . . .From over MAJIC via CLT R-039 to:

LANDING NORTH: CLT VOR/DME. Expect radar vectors to final approach course prior
 to the CLT 5 DME fix.

LANDING SOUTH: GIZMO. Expect radar vectors to final approach course.

MAJIC ONE ARRIVAL

CHARLOTTE, NORTH CAROLINA

NDB IZN 432	APP CRS 235°	Rwy Idg TDZE Apt Elev	5290 873 875
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NDB or GPS RWY 23

LINCOLNTON-LINCOLN COUNTY RGNL (IPJ)

▽ If local altimeter setting not received, use Charlotte altimeter setting and increase all MDAs 80 feet.

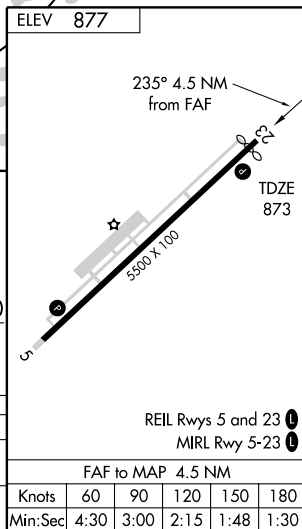
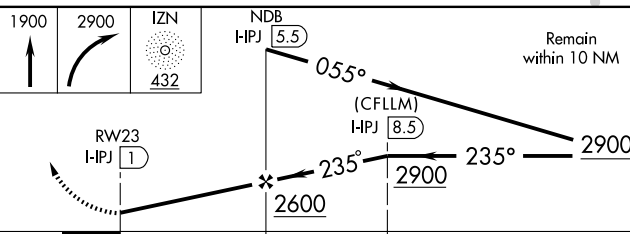
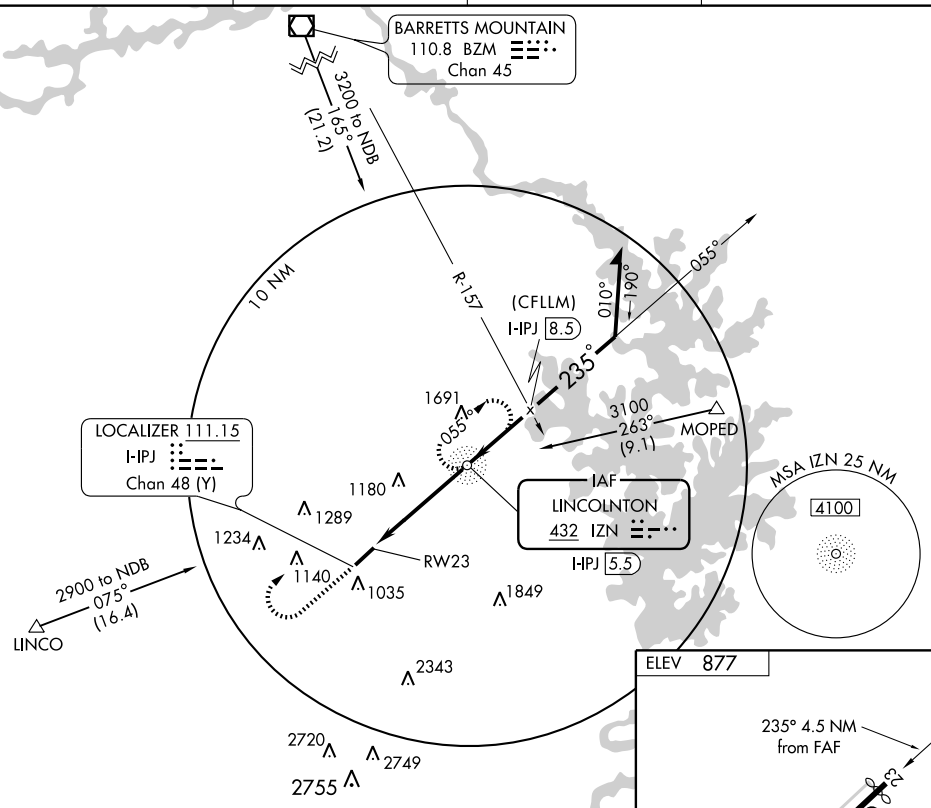
MISSED APPROACH: Climb to 1900, then climbing right turn to 2900 direct IZN NDB and hold.

AWOS-3
119.675

CHARLOTTE APP CON
134.75 257.2

CLNC DEL (GCO)
124.9

UNICOM
123.05 (CTAF) 0



CATEGORY	A	B	C	D
S-23	1480-1 607 (700-1)		1480-1 ³ / ₄ 607 (700-1 ³ / ₄)	1480-2 607 (700-2)
CIRCLING	1480-1 605 (700-1)		1480-1 ³ / ₄ 605 (700-1 ³ / ₄)	1540-2 665 (700-2)

REIL Rwy 5 and 23 0
MIRL Rwy 5-23 0

FAF to MAP 4.5 NM					
Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

WAAS CH 78408 W05A	APP CRS 053°	Rwy Idg TDZE Apt Elev 875 877
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RNAV (GPS) RWY 5

LINCOLN-LINCOLN COUNTY RGNL (IPJ)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. VDP and Baro-VNAV NA when using Charlotte altimeter setting. When local altimeter setting not received, use Charlotte altimeter setting and increase all DA 63 feet and all MDA 80 feet, increase LPV all Cats, and LNAV Cat C visibility ¼ mile.

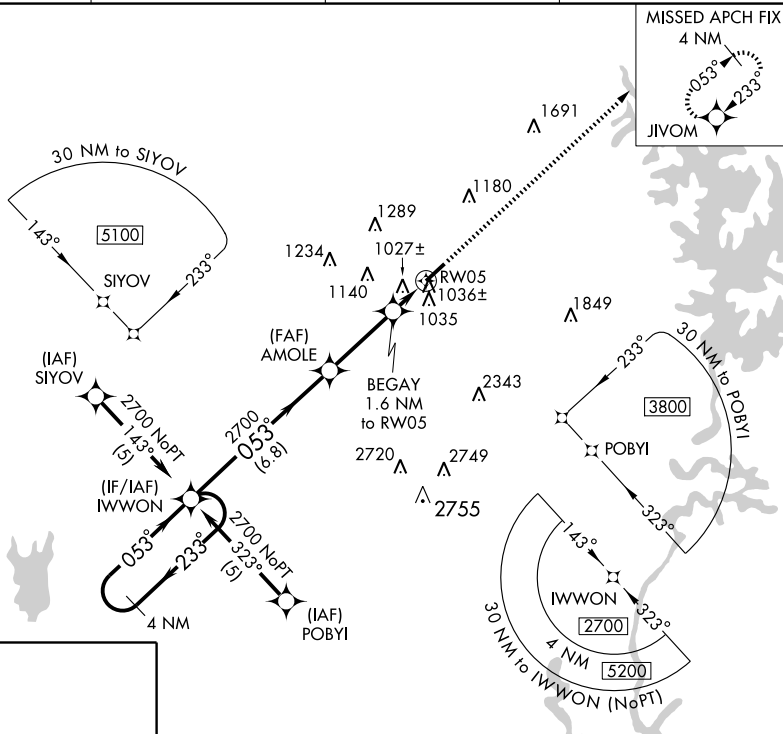
MISSED APPROACH:
Climb to 3000 direct
JIVOM and hold.

AWOS-3
119.675

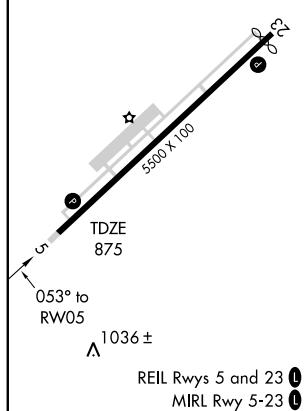
CHARLOTTE APP CON
134.75 257.2

CLNC DEL (GCO)
124.9

UNICOM
123.05 (CTAF)



ELEV 877



4 NM Holding Pattern		IWWON	AMOLE	BEGAY 1.6 NM to RW05 *	3000	JIVOM
2700		233°	053°	053°	↑	✧
GS 3.50° TCH 55		2700	2700	0.9 NM to RW05 *	*LNAV only.	
VGSI and RNAV glidepath not coincident.					RW05	
					*1520	
					6.8 NM	
					3.1 NM	
					0.7	
					0.9 NM	
CATEGORY	A	B	C	D		
LPV DA	1306-1¼	431 (500-1¼)		NA		
LNAV/VNAV DA	1341-1½	466 (500-1½)		NA		
LNAV MDA	1300-1	425 (500-1)	1300-1¼ 425 (500-1¼)	NA		
CIRCLING	1340-1	463 (500-1)	1340-1½ 463 (500-1½)	NA		

WAAS CH 69210 W23A	APP CRS 233°	Rwy Idg 5290 TDZE 872 Apt Elev 877
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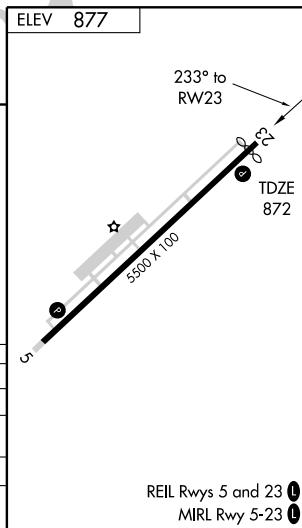
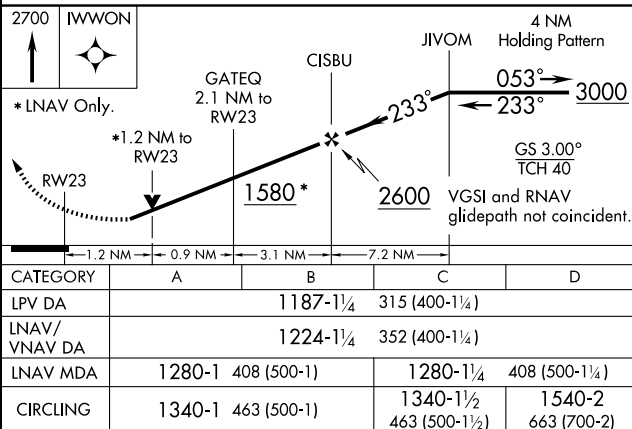
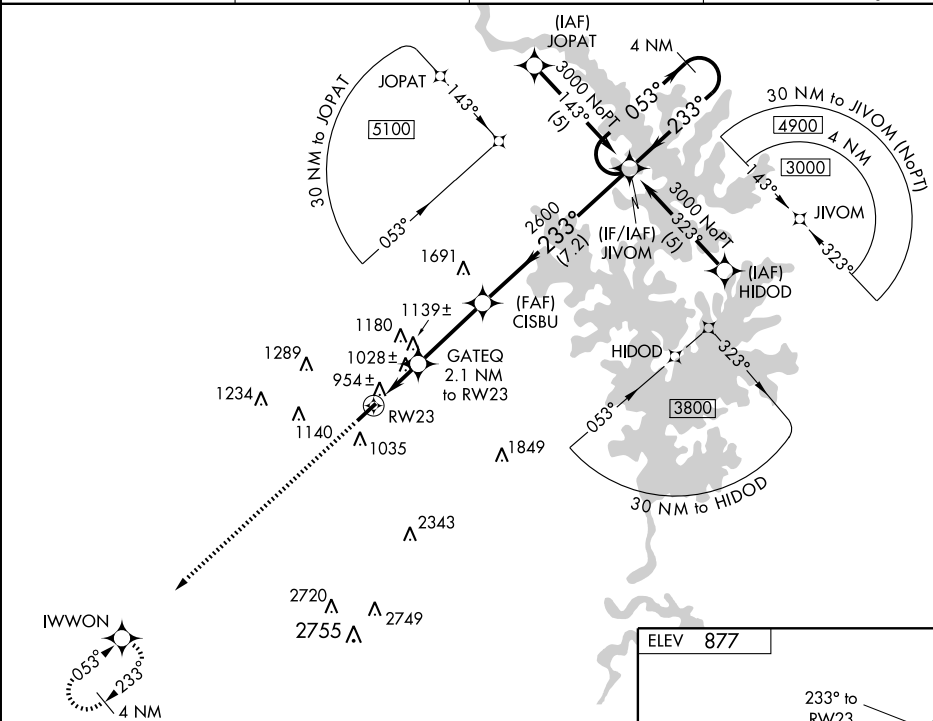
RNAV (GPS) RWY 23

LINCOLN-TON-LINCOLN COUNTY RGNL (IPJ)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. VDP and Baro-VNAV NA when using Charlotte altimeter setting. When local altimeter setting not received, use Charlotte altimeter setting and increase all DA 63 feet and all MDA 80 feet, increase LNAV/VNAV all Cats and LNAV Cat D visibility ½ mile, increase Circling visibility Cat D ½ mile.

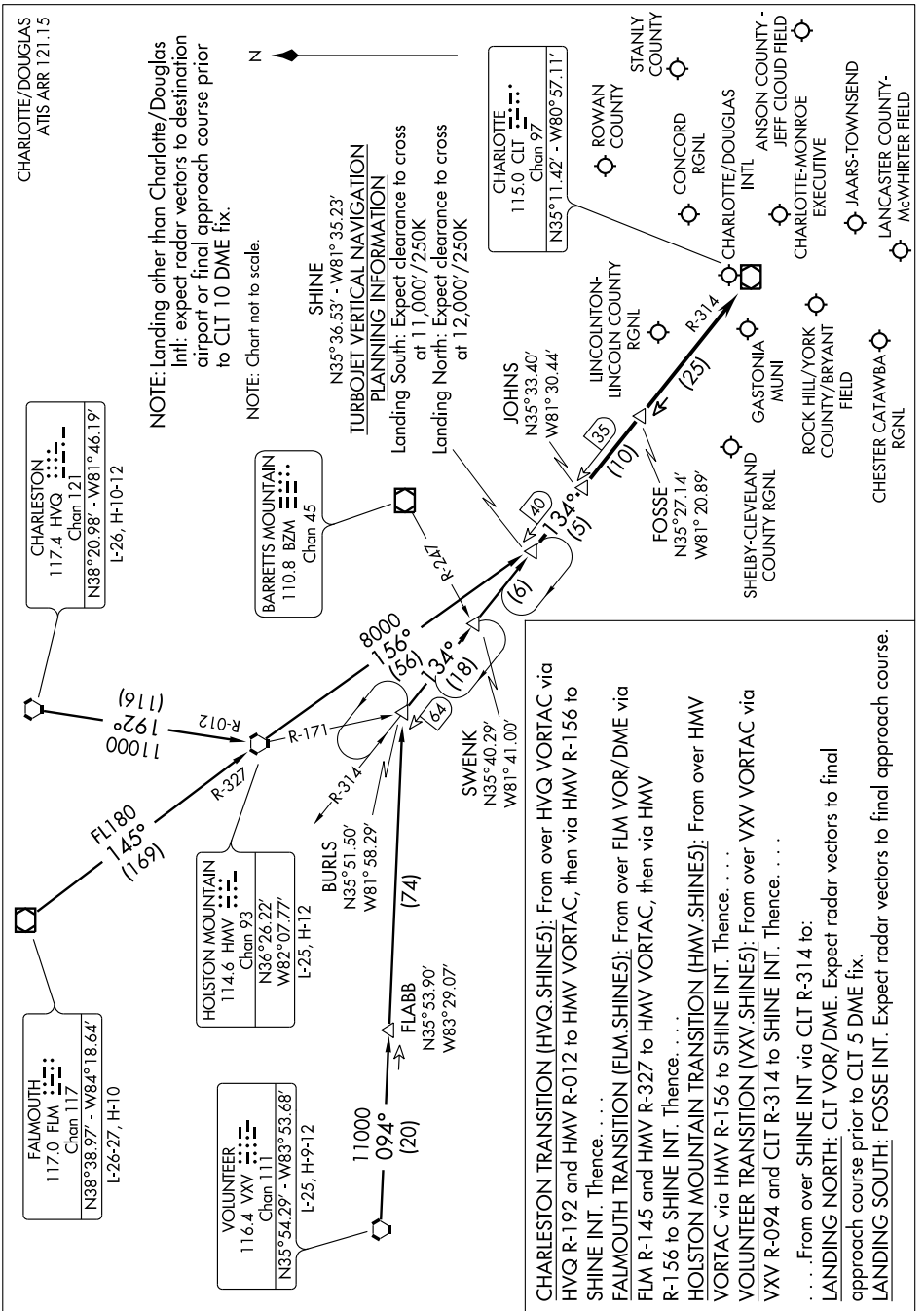
MISSED APPROACH:
Climb to 2700 direct
JWWON and hold.

AWOS-3 119.675	CHARLOTTE APP CON 134.75 257.2	CLNC DEL (GCO) 124.9	UNICOM 123.05 (CTAF) 0
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SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA



SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA

UNARM ONE ARRIVAL

UNARM ONE ARRIVAL

CHARLOTTE/DOUGLAS
AITS ARR 121.15

SHELBY-CLEVELAND
COUNTY RGNL

LINCOLN-CLINTON
COUNTY RGNL

ROWAN COUNTY

STANLY
COUNTY

SPARTANBURG
115.7 SPA
Chan 104

R-103

LOCKS

CHARLOTTE/DOUGLAS
INTL

CHARLOTTE
115.0 CLT
Chan 97

CONCORD
RGNL

ROCK HILL/YORK
COUNTY/BRYANT
FIELD

CHARLOTTE-MONROE
EXECUTIVE

ANSON
COUNTY -
JEFF CLOUD
FIELD

R-135

R-150

UNARM

ADENA

CHESTER CATAWBA
RGNL

LANCASTER COUNTY-
McWHIRTER FIELD

JAARS-TOWNSEND

ATLANTA

GREENWOOD

ATLANTA

ATLANTA

ATLANTA

ATLANTA

ATLANTA

ATLANTA

ATLANTA

ATLANTA

ATLANTA

NOTE: Landing other than Charlotte/Douglas
Intl: expect radar vectors to destination
airport or final approach course prior
to the CLT 10 DME fix.

NOTE: Chart not to scale.

TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
Landing South: Expect clearance to
cross at 12,000'/250K.
Landing North: Expect clearance to
cross at 11,000'/250K.

ATLANTA TRANSITION (ATLUNARM1): From over ATL VORTAC
via ATL R-071 and GRD R-254 to GRD VORTAC. Then via GRD
R-047 and CLT R-232 to UNARM INT. Thence. . . .
COLLIERS TRANSITION (IRQ.UNARM1): From over IRQ VORTAC
via IRQ R-005 and GRD R-182 to GRD VORTAC. Then via GRD
R-047 and CLT R-232 to UNARM INT. Thence. . . .
From over UNARM INT via CLT R-232 to:
LANDING NORTH: LOCKS INT. Expect radar vectors to final
approach course.
LANDING SOUTH: CLT VOR/DME. Expect radar vectors to
final approach course prior to CLT 5 DME fix.

CHARLOTTE, NORTH CAROLINA

LOUISBURG

TRIANGLE NORTH EXECUTIVE

(LHZ) 5 SW UTC-5(-4DT) N36°01.40 W78°19.82'

CHARLOTTE

369 B S4 FUEL 100LL, JET A1+ NOTAM FILE LHZ

H-9C, 12H, L-35B, 36G

RWY 05-23: H5498X100 (ASPH) S-40, D-60 MIRL 0.7% up SW

IAP

RWY 05: MALSR. PAPI(P2L) GA-3.0° TCH 23'. Trees. Rgt tfc.

RWY 23: REIL. PAPI(P2L) GA-3.0° TCH 46'. Trees.

AIRPORT REMARKS: Attended 1300Z-0000Z. Arpt phone 919-496-1234; for svc after hrs call 919-729-4118. Arpt unattended Thanksgiving and Christmas. Birds on and invof arpt.

ACTIVATE MIRL Rwy 05-23 and REIL Rwy 23 and MALSR Rwy

05—CTAF; PAPI Rwy 05 and Rwy 23 opr continuous until dusk.

After dusk ACTIVATE PAPI Rwy 05 and Rwy 23—CTAF.

WEATHER DATA SOURCES: AWOS-3 118.325 (919) 497-0810.**COMMUNICATIONS:** CTAF/UNICOM 123.0

① RALEIGH APP/DEP CON 125.3

GCO 135.075 (RALEIGH CLNC)

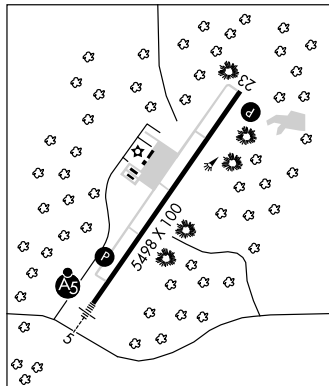
RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

RALEIGH/DURHAM (H) VORTACW 117.2 RDU Chan

119 N35°52.35' W78°47.00' 072° 23.9 NM to fld.

429/04W.

ILS/DME 109.35 I-LHZ Chan 30(Y) Rwy 05. Class IA.



LUMBERTON MUNI

(LBT) 3 W UTC-5(-4DT) N34°36.60' W79°03.57'

CHARLOTTE

126 B S4 FUEL 100LL, JET A1+ NOTAM FILE LBT

H-9C, 12H, L-24J, 35A, 36E

RWY 05-23: H5510X150 (ASPH) S-15 PCN 100 F/B/Y/T MIRL

IAP

RWY 05: REIL. PAPI(P4L)—GA 3.0° TCH 45'. Thld displcd 170'.

Trees.

RWY 23: REIL. VASI(V4L)—GA 3.0° TCH 45'. Trees.

RWY 13-31: H4998X150 (ASPH) S-8 PCN 100 F/B/Y/T

RWY 13: Trees.

RWY 31: Thld displcd 590'.

AIRPORT REMARKS: Attended 1300-0000Z. For fuel after hrs call 910-618-9958. Deer and birds on and invof arpt. Rwy 05-23 and 13-31 no line of sight between rwy ends. Rwy 05 REIL OTS indef.

MIRL Rwy 05-23 preset low ints; to increase ints and ACTIVATE

REIL and PAPI Rwy 05 and VASI Rwy 23—CTAF.

WEATHER DATA SOURCES: ASOS 134.775 (910) 671-1906.**COMMUNICATIONS:** CTAF/UNICOM 122.8

① FAYETTEVILLE APP/DEP CON 133.0

RADIO AIDS TO NAVIGATION: NOTAM FILE FAY.

FAYETTEVILLE (L) VOR/DME 108.8 FAY Chan 25 N34°59.13'

W78°52.50' 206° 24.3 NM to fld. 179/04W.

(T) VORW 110.0 LBT N34°36.64' W79°03.29' at fld.

NOTAM FILE LBT.

VOR unusable: 061°-134° blo 3,000', 135°-164° byd 15 NM

blo 3,000', 165°-185°, 186°-199° byd 15 NM blo 3,000', 200°-230°, 231°-060° byd 15 NM blo 3,000'.

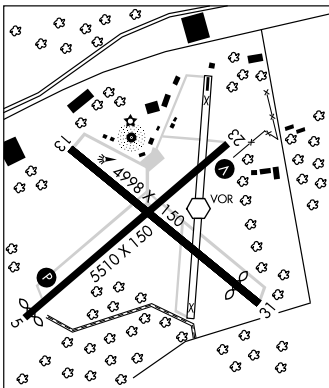
JIGEL NDB (MHW/LOM) 384 JB N34°32.76' W79°08.30' 054° 5.5 NM to fld. NOTAM FILE LBT.

ROBESON NDB (MHW) 359 RSY N34°36.81' W79°03.59' at fld. NOTAM FILE LBT.

ILS 108.95 I-JBD Rwy 05. LOM JIGEL NDB.

COMM/NAV/WEATHER REMARKS: VOR and NDB unmonitored 0100-1300Z Mon-Fri, 0000-1500Z Fri and Sat,

0000-1300Z Sun and Mon.



LOC/DME I-LHZ 109.35 Chan 30 (Y)	APP CRS 045°	Rwy Idg 5498 TDZE 366 Apt Elev 369
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ILS or LOC RWY 5

LOUISBURG/TRIANGLE NORTH EXECUTIVE (LHZ)

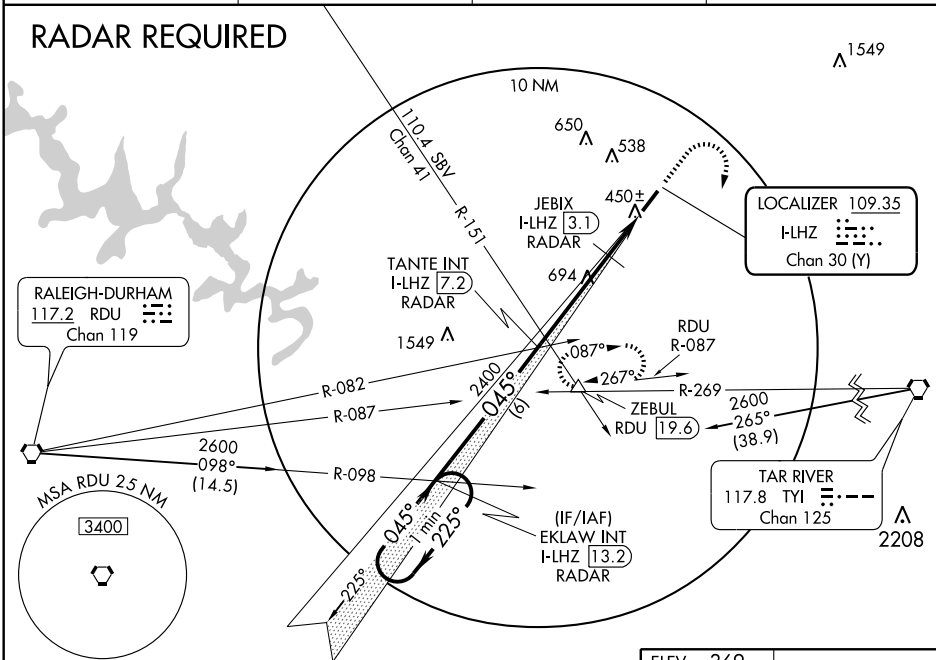
▲ NA If local altimeter setting not received, use Raleigh-Durham altimeter setting; increase DH to 681 feet; increase all MDAs 80 feet. VDP NA with Raleigh-Durham altimeter setting.



MISSED APPROACH: Climb to 1400 then climbing right turn to 2600 via heading 190° and RDU R-087 to ZEBUL INT/RDU 19.6 DME and hold.

AWOS-3 118.325	RALEIGH APP CON 125.3 353.675	GCO 135.075	UNICOM 123.0 (CTAF) 0
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RADAR REQUIRED



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

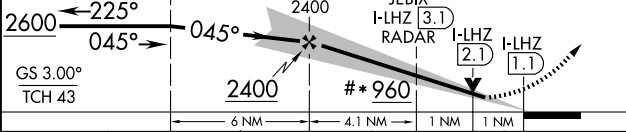
VGSi and ILS glidepath not coincident.

One Minute
Holding
PatternEKLAW INT
I-LHZ **13.2**
RADARTANTE INT
I-LHZ **7.2**
RADAR

1400 2600 RDU ZEBUL

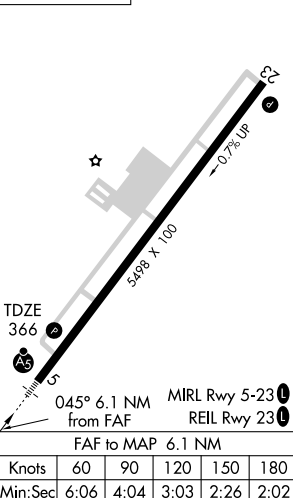


#1040 when using Raleigh-Durham altimeter setting. *LOC only



CATEGORY	A	B	C	D
S-ILS 5	616-3/4 250 (300-3/4)			
S-LOC 5	960-1 594 (600-1)		960-1 1/2 594 (600-1 1/2)	960-1 3/4 594 (600-1 3/4)
CIRCLING	960-1 591 (600-1)		960-1 1/2 591 (600-1 1/2)	960-2 591 (600-2)
JEBIX FIX MINIMUMS				
S-LOC 5	700-1 334 (400-1)			
CIRCLING	800-1 431 (500-1)	820-1 451 (500-1)	820-1 1/2 451 (500-1 1/2)	920-2 551 (600-2)

ELEV 369



WAAS CH 90103 W05A	APP CRS 045°	Rwy Idg TDZE 366 Apt Elev 369
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RNAV (GPS) RWY 5

LOUISBURG/TRIANGLE NORTH EXECUTIVE (LHZ)

A If local altimeter setting not received, use Raleigh-Durham altimeter setting and increase DA to 725 feet; increase all MDAs 80 feet.
VDP NA when using Raleigh-Durham altimeter setting.
DME/DME RNP-0.3 NA.
When VGSi inoperative, circling Rwy 23 NA at night.

MALSR



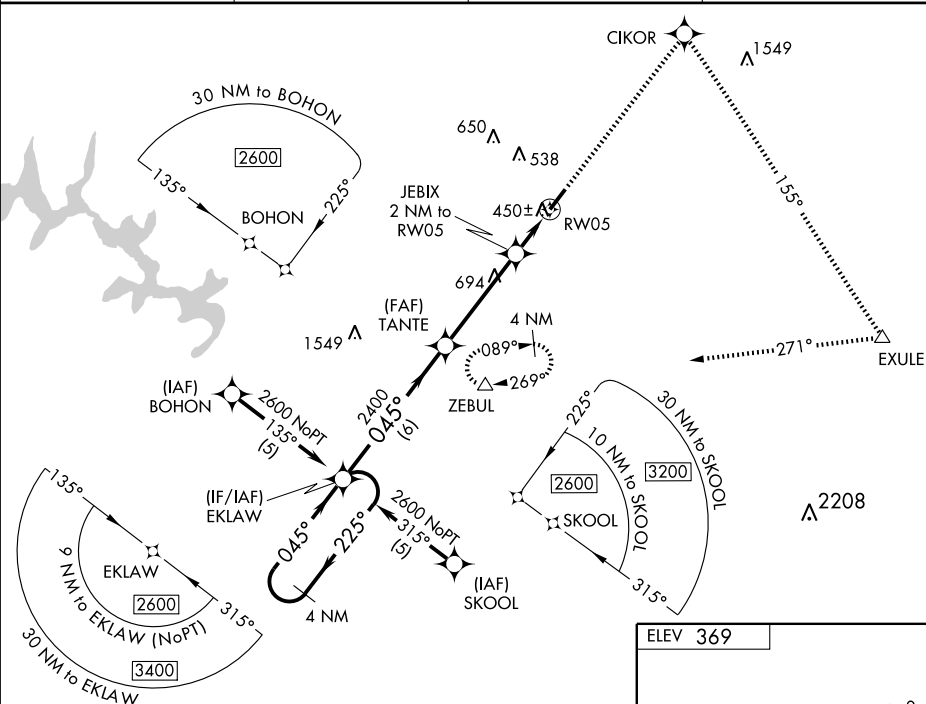
MISSED APPROACH: Climb to 2600 direct CIKOR and via 155° track to EXULE and via 271° track to ZEBUL and hold.

AWOS-3
118.325

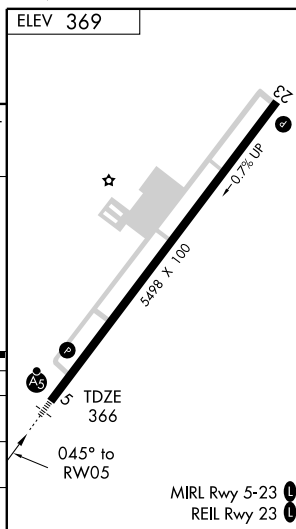
RALEIGH APP CON
125.3 353.675

GCO
135.075

UNICOM
123.0 (CTAF) 0



4 NM Holding Pattern		EKLAW		2600 ↑	CIKOR ✦	155° tr	EXULE △	271° tr	ZEBUL △
2600 ← 225° 045° →		TANTE		JEBIX 2 NM to RW05		*LNAV only			
GS 3.00° TCH 43		2400		1040		*1 NM to RW05			
VGSi and RNAV glidepath not coincident.		6 NM		4.1 NM		1 NM		1 NM	
CATEGORY	A	B	C	D					
LPV DA	660-1 294 (300-1)								
LNAV MDA	700-1 334 (400-1)								
CIRCLING	800-1 431 (500-1)	820-1 451 (500-1)	820-1½ 451 (500-1½)	920-2 551 (600-2)					



APP CRS
226°

Rwy Idg **5498**
TDZE **351**
Apt Elev **369**

RNAV (GPS) RWY 23

LOUISBURG/TRIANGLE NORTH EXECUTIVE (LHZ)

A If local altimeter setting not received, use Raleigh-Durham altimeter setting and increase all MDAs 80 feet.
When VGSI inoperative, procedure NA at night.
DME/DME RNP-0.3 NA.

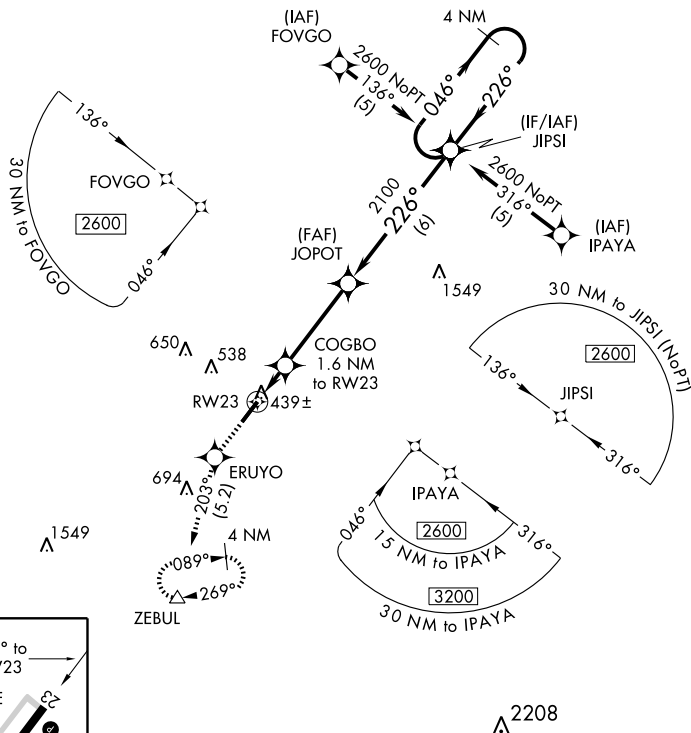
MISSED APPROACH: Climb to 2600 direct ERUYO and via 203° track to ZEBUL and hold.

AWOS-3
118.325

RALEIGH APP CON
125.3 353.675

GCO
135.075

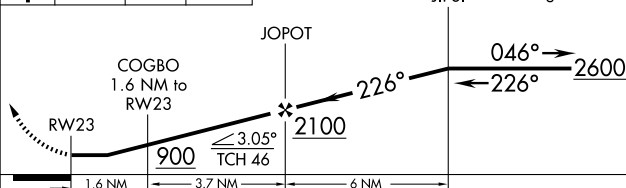
UNICOM
123.0 (CTAF) 1



ELEV 369

226° to RW23
TDZE 351
0.7% UP

MIRL Rwy 5-23 **1**
REIL Rwy 23 **1**



CATEGORY	A	B	C	D
LNVA MDA	700-1 349 (400-1)			700-1½ 349 (400-1½)
CIRCLING	800-1 431 (500-1)	820-1 451 (500-1)	820-1½ 451 (500-1½)	920-2 551 (600-2)

SOUTH BOSTON FOUR ARRIVAL

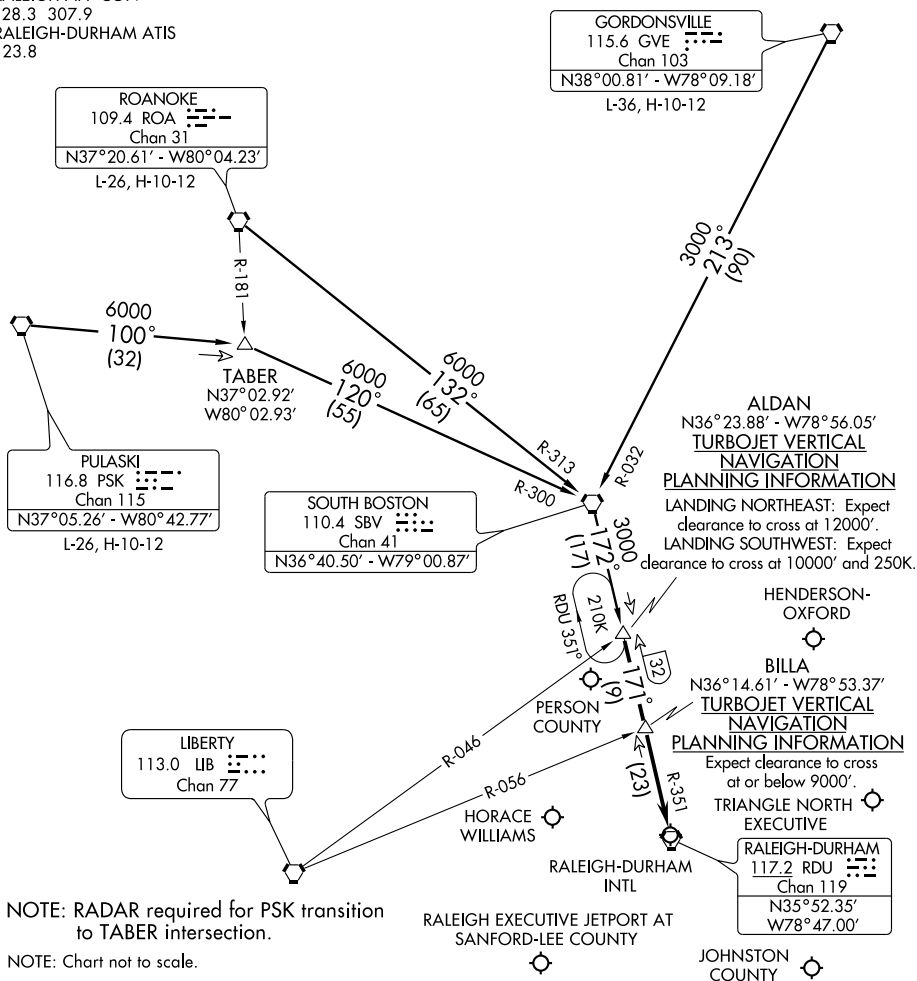
RALEIGH-DURHAM, NORTH CAROLINA

RALEIGH APP CON

128.3 307.9

RALEIGH-DURHAM ATIS

123.8



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

GORDONSVILLE TRANSITION (GVE.SBV4): From over GVE VORTAC via GVE R-213 and SBV R-032 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

PULASKI TRANSITION (PSK.SBV4): From over PSK VORTAC via PSK R-100 and SBV R-300 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

ROANOKE TRANSITION (ROA.SBV4): From over ROA VORTAC via ROA R-132 and SBV R-313 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

. . . . From over ALDAN INT via RDU R-351 to BILLA INT, then via RDU R-351 to RDU VORTAC. For arrival to Raleigh-Durham Intl (RDU), Franklin County (LHZ), Horace Williams (IGX), Johnston County (JNX) and Sanford-Lee County Rgnl (TTA) airports: Expect radar vectors to final approach course after BILLA INT.

For arrival to Henderson-Oxford (HNZ) and Person County (TDF) airports: Expect radar vectors to final approach course after ALDAN INT.

SOUTH BOSTON FOUR ARRIVAL

RALEIGH-DURHAM, NORTH CAROLINA

VORTAC RDU 117.2 Chan 119	APP CRS 072°	Rwy Idg TDZE Apt Elev	N/A N/A 369
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VOR/DME-A

LOUISBURG/ TRIANGLE NORTH EXECUTIVE (LHZ)

A If local altimeter setting not received, use Raleigh-Durham altimeter setting and increase all MDAs 80 feet.

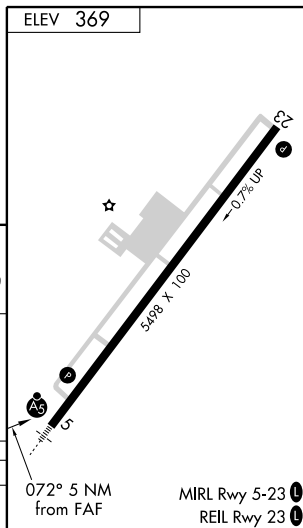
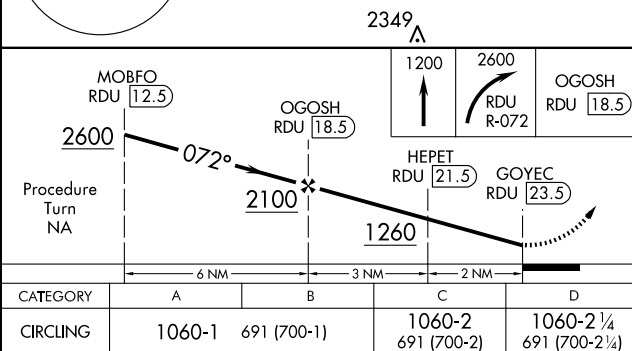
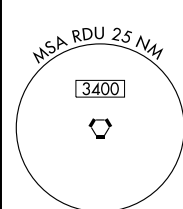
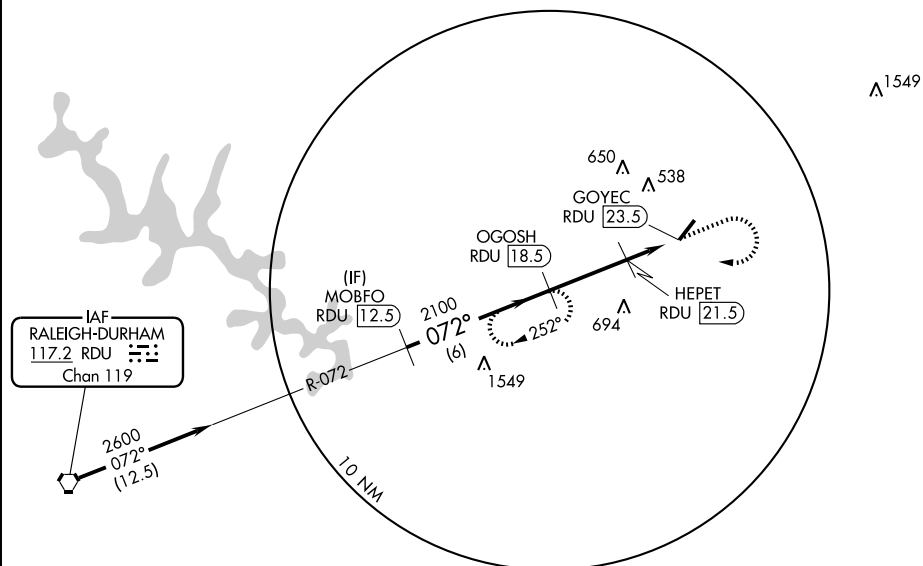
MISSED APPROACH: Climb to 1200 then climbing right turn to 2600 via RDU R-072 to OGOSH/RDU 18.5 DME and hold.

AWOS-3
118.325

RALEIGH APP CON
125.3 353.675

GCO
135.075

UNICOM
123.0 (CTAF) **0**



LOUISBURG

TRIANGLE NORTH EXECUTIVE

(LHZ) 5 SW UTC-5(-4DT) N36°01.40 W78°19.82'

CHARLOTTE

369 B S4 FUEL 100LL, JET A1+ NOTAM FILE LHZ

H-9C, 12H, L-35B, 36G

RWY 05-23: H5498X100 (ASPH) S-40, D-60 MIRL 0.7% up SW

IAP

RWY 05: MALSR. PAPI(P2L) GA-3.0° TCH 23'. Trees. Rgt tfc.

RWY 23: REIL. PAPI(P2L) GA-3.0° TCH 46'. Trees.

AIRPORT REMARKS: Attended 1300Z-0000Z. Arpt phone 919-496-1234; for svc after hrs call 919-729-4118. Arpt unattended Thanksgiving and Christmas. Birds on and invof arpt.

ACTIVATE MIRL Rwy 05-23 and REIL Rwy 23 and MALSR Rwy

05—CTAF; PAPI Rwy 05 and Rwy 23 opr continuous until dusk.

After dusk ACTIVATE PAPI Rwy 05 and Rwy 23—CTAF.

WEATHER DATA SOURCES: AWOS-3 118.325 (919) 497-0810.**COMMUNICATIONS:** CTAF/UNICOM 123.0

① RALEIGH APP/DEP CON 125.3

GCO 135.075 (RALEIGH CLNC)

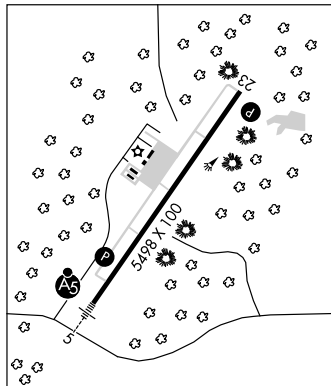
RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

RALEIGH/DURHAM (H) VORTACW 117.2 RDU Chan

119 N35°52.35' W78°47.00' 072° 23.9 NM to fld.

429/04W.

ILS/DME 109.35 I-LHZ Chan 30(Y) Rwy 05. Class IA.



LUMBERTON MUNI

(LBT) 3 W UTC-5(-4DT) N34°36.60' W79°03.57'

CHARLOTTE

126 B S4 FUEL 100LL, JET A1+ NOTAM FILE LBT

H-9C, 12H, L-24J, 35A, 36E

RWY 05-23: H5510X150 (ASPH) S-15 PCN 100 F/B/Y/T MIRL

IAP

RWY 05: REIL. PAPI(P4L)—GA 3.0° TCH 45'. Thld displcd 170'.

Trees.

RWY 23: REIL. VASI(V4L)—GA 3.0° TCH 45'. Trees.

RWY 13-31: H4998X150 (ASPH) S-8 PCN 100 F/B/Y/T

RWY 13: Trees.

RWY 31: Thld displcd 590'.

AIRPORT REMARKS: Attended 1300-0000Z. For fuel after hrs call 910-618-9958. Deer and birds on and invof arpt. Rwy 05-23 and 13-31 no line of sight between rwy ends. Rwy 05 REIL OTS indef.

MIRL Rwy 05-23 preset low ints; to increase ints and ACTIVATE

REIL and PAPI Rwy 05 and VASI Rwy 23—CTAF.

WEATHER DATA SOURCES: ASOS 134.775 (910) 671-1906.**COMMUNICATIONS:** CTAF/UNICOM 122.8

① FAYETTEVILLE APP/DEP CON 133.0

RADIO AIDS TO NAVIGATION: NOTAM FILE FAY.

FAYETTEVILLE (L) VOR/DME 108.8 FAY Chan 25 N34°59.13'

W78°52.50' 206° 24.3 NM to fld. 179/04W.

(T) VORW 110.0 LBT N34°36.64' W79°03.29' at fld.

NOTAM FILE LBT.

VOR unusable: 061°-134° blo 3,000', 135°-164° byd 15 NM

blo 3,000', 165°-185°, 186°-199° byd 15 NM blo 3,000', 200°-230°, 231°-060° byd 15 NM blo 3,000'.

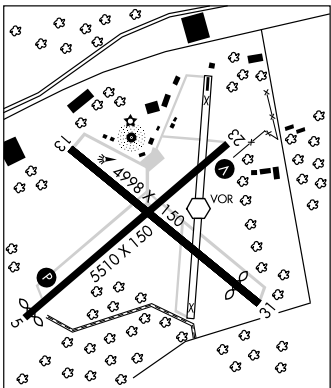
JIGEL NDB (MHW/LOM) 384 JB N34°32.76' W79°08.30' 054° 5.5 NM to fld. NOTAM FILE LBT.

ROBESON NDB (MHW) 359 RSY N34°36.81' W79°03.59' at fld. NOTAM FILE LBT.

ILS 108.95 I-JBD Rwy 05. LOM JIGEL NDB.

COMM/NAV/WEATHER REMARKS: VOR and NDB unmonitored 0100-1300Z Mon-Fri, 0000-1500Z Fri and Sat,

0000-1300Z Sun and Mon.



APP CRS	Rwy ldg	5340
053°	TDZE	124
	Apt Elev	126

GPS RWY 5

LUMBERTON MUNI (LBT)

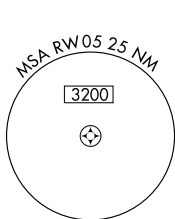
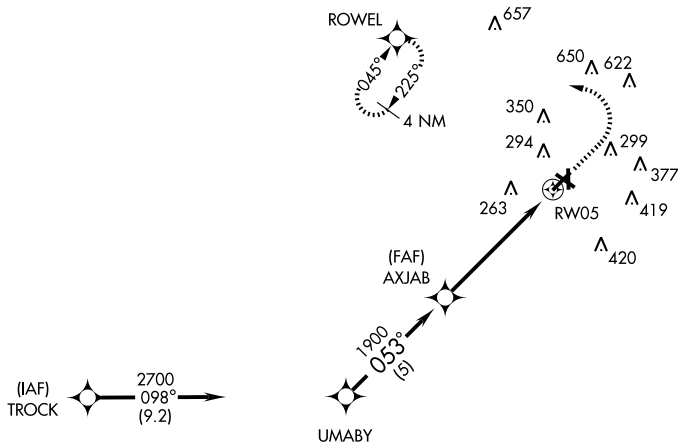


MISSED APPROACH: Climb to 1000 then climbing left turn to 2200 direct ROWEL WP and hold.

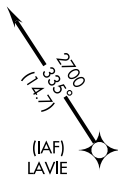
ASOS
134.775

FAYETTEVILLE APP CON
133.0 295.0

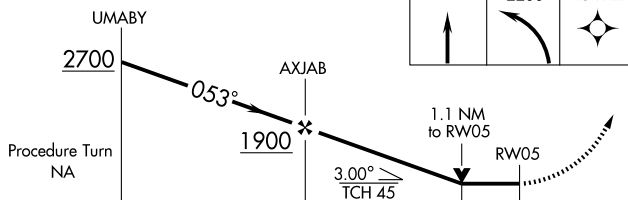
UNICOM
122.8 (CTAF)



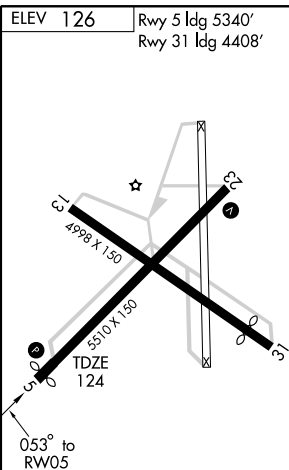
2115



ELEV 126	Rwy 5 ldg 5340'
	Rwy 31 ldg 4408'



CATEGORY	A	B	C	D
S-5	520-1 396 (400-1)			NA
CIRCLING	660-1 534 (600-1)			NA
	660-1½ 534 (600-1½)			



MIRL Rwy 5-23
REIL Rwy 5 and 23

APP CRS 133°	Rwy ldg TDZE 125 Apt Elev 126	4998
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GPS RWY 13

LUMBERTON MUNI (LBT)



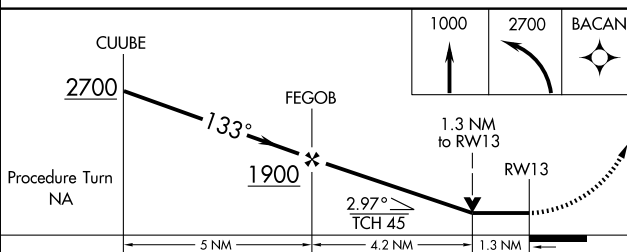
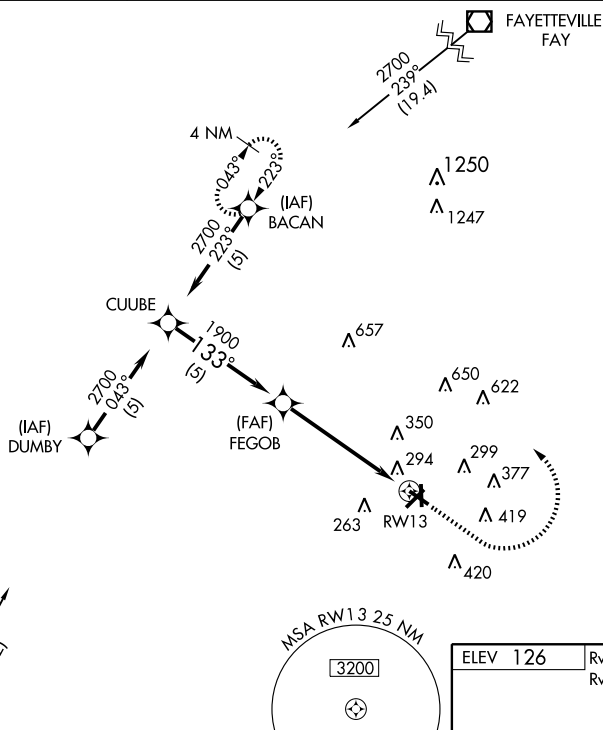
Straight-in minimums not authorized at night.

MISSED APPROACH: Climb to 1000 then climbing left turn to 2700 direct BACAN WP and hold.

ASOS
134.775

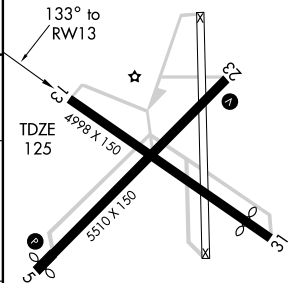
FAYETTEVILLE APP CON
133.0 295.0

UNICOM
122.8 (CTAF)



CATEGORY	A	B	C	D
S-13	580-1 455 (500-1)		580-1¼ 455 (500-1¼)	NA
CIRCLING	660-1 534 (600-1)		660-1½ 534 (600-1½)	NA

ELEV 126 Rwy 5 ldg 5340'
Rwy 31 ldg 4408'



MIRL Rwy 5-23
REIL Rwy 5 and 23

LOC I-JBD 108.95	APP CRS 053°	Rwy Idg TDZE Apt Elev	5340 124 126
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ILS RWY 5

LUMBERTON MUNI (LBT)



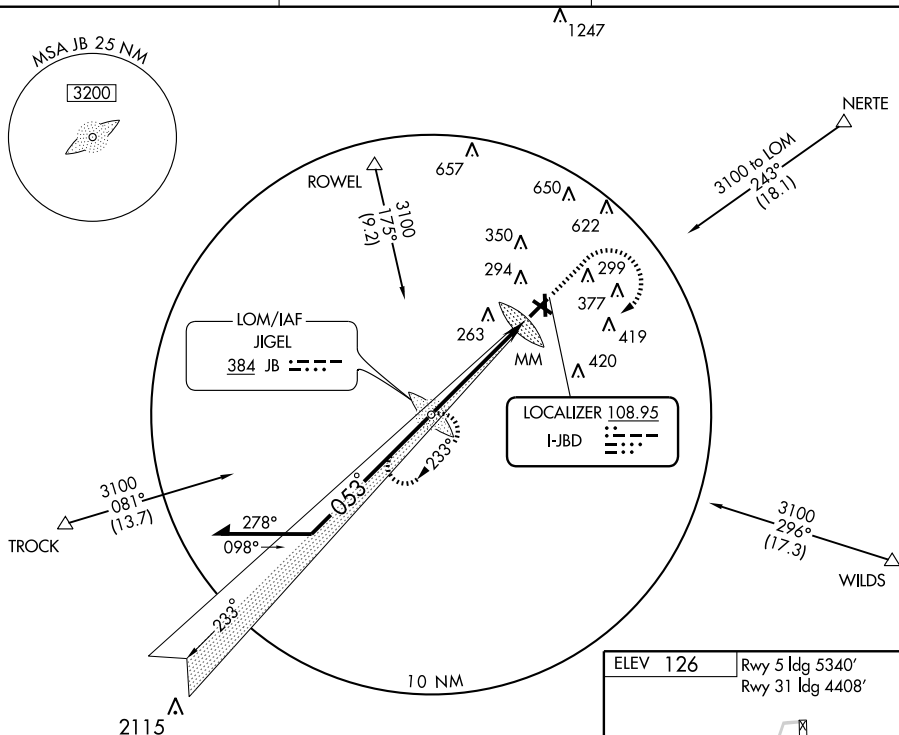
ADF REQUIRED

MISSED APPROACH: Climb to 1000 then climbing right turn to 1900 direct JIGEL LOM and hold.

ASOS
134.775

FAYETTEVILLE APP CON
133.0 295.0

UNICOM
122.8 (CTAF)



Remain within 10 NM

3100
GS 3.00°
TCH 60

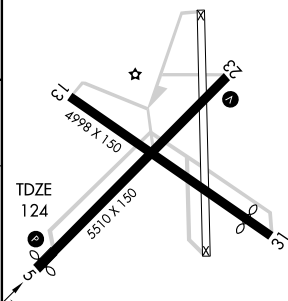
LOM
1795
1900

1000
1900
JB 384

MM

4.6 NM 0.4

ELEV 126 Rwy 5 Idg 5340'
Rwy 31 Idg 4408'



CATEGORY	A	B	C	D
S-ILS 5	324-¾ 200 (200-¾)			NA
S-LOC 5	500-1 376 (400-1)			NA
CIRCLING	660-1 534 (600-1)		660-1½ 534 (600-1½)	NA

Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

VOR LBT 110.0	APP CRS 061°	Rwy Idg TDZE Apt Elev	5340 124 126
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VOR RWY 5

LUMBERTON MUNI (LBT)

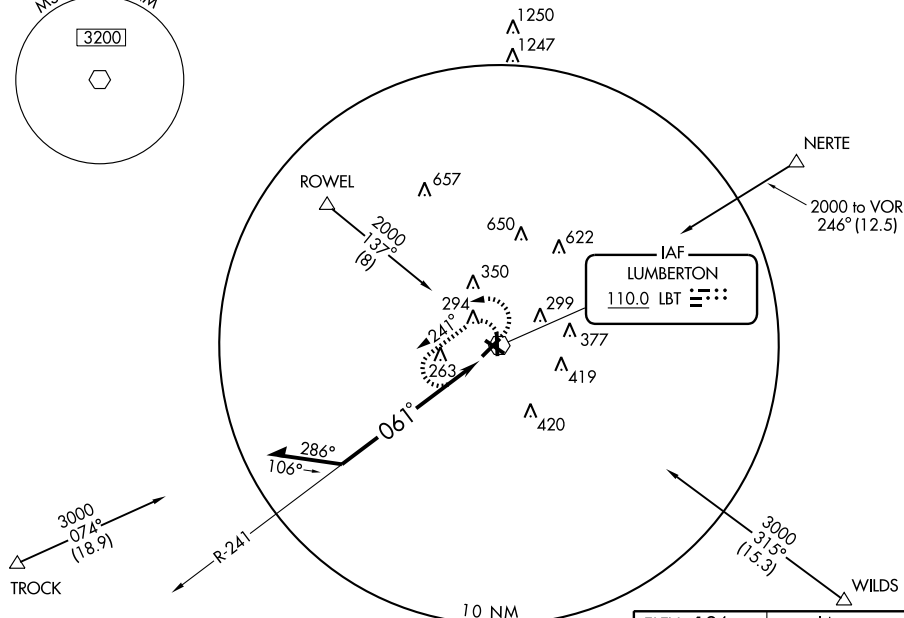
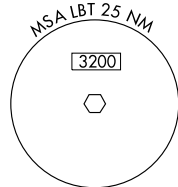


MISSED APPROACH: Climbing left turn to 2000 in LBT VOR holding pattern.

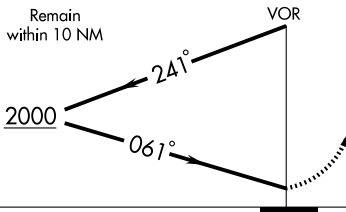
ASOS
134.775

FAYETTEVILLE APP CON
133.0 295.0

UNICOM
122.8 (CTAF)

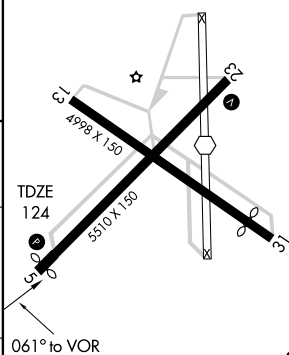


Remain
within 10 NM



2000	LBT
	110.0

ELEV 126	Rwy 5 Idg 5340'
	Rwy 31 Idg 4408'



MIRL Rwy 5-23
REIL Rwy 5 and 23

CATEGORY	A	B	C	D
S-5	620-1 496 (500-1)		620-1¼ 496 (500-1¼)	NA
CIRCLING	660-1 534 (600-1)		660-1½ 534 (600-1½)	NA

Knots	60	90	120	150	180
Min:Sec					

VOR LBT 110.0	APP CRS 126°	Rwy Idg 4998
	TDZE 125	Apt Elev 126

VOR RWY 13

LUMBERTON MUNI (LBT)

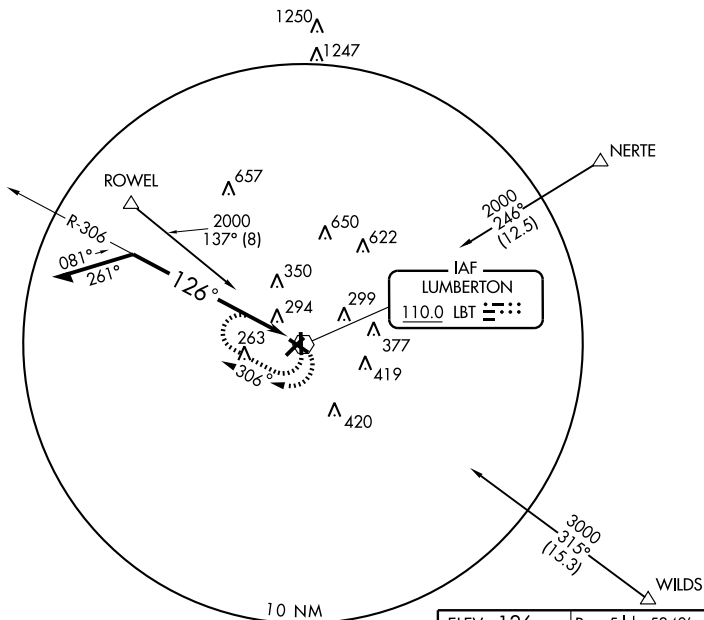
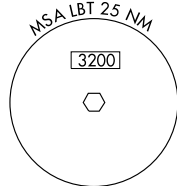
V **NA** Straight-in minimums not authorized at night.

MISSED APPROACH: Climbing right turn to 2000 in LBT VOR holding pattern.

ASOS
134.775

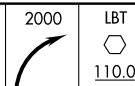
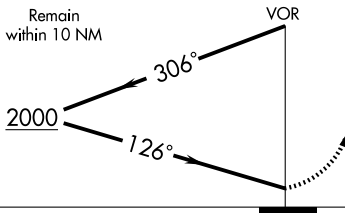
FAYETTEVILLE APP CON
133.0 295.0

UNICOM
122.8 (CTAF)

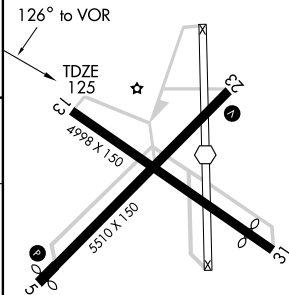


2115

Remain
within 10 NM



ELEV 126 Rwy 5 Idg 5340'
Rwy 31 Idg 4408'



MIRL Rwy 5-23
REIL Rws 5 and 23

CATEGORY	A	B	C	D
S-13	660-1	535 (600-1)	660-1½ 535 (600-1½)	NA
CIRCLING	660-1	534 (600-1)	660-1½ 534 (600-1½)	NA

Knots	60	90	120	150	180
Min:Sec					

10210

AIRPORT DIAGRAM

AL-6372 (FAA)

MANTEO/ DARE COUNTY RGNL (MQI)
MANTEO, NORTH CAROLINA

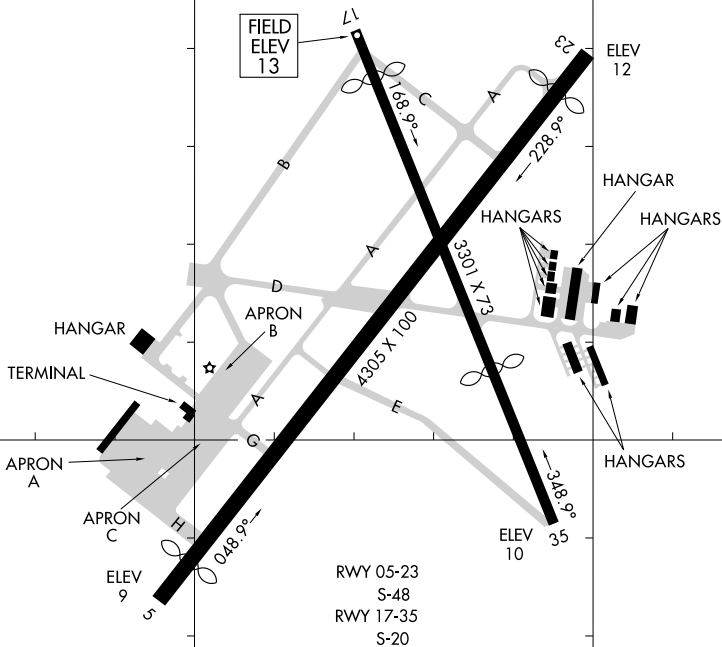
AWOS-3
128.275
CTAF/UNICOM
122.8

JANUARY 2010
ANNUAL RATE OF CHANGE
0.0° W

35°55.5' N

FIELD
ELEV
13

ELEV
12



RWY 05-23
S-48
RWY 17-35
S-20

35°55.0' N

75°42.0' W

75°41.5' W

AIRPORT DIAGRAM

MANTEO, NORTH CAROLINA
MANTEO/ DARE COUNTY RGNL (MQI)

10210

SE-2, 21 OCT 2010 to 18 NOV 2010

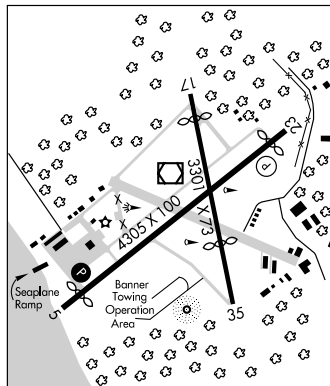
SE-2, 21 OCT 2010 to 18 NOV 2010

MANTEO**DARE CO RGNL** (MQI) 1 NW UTC-5(-4DT) N35°55.14' W75°41.73'13 B S4 **FUEL** 100LL, JET A1+ NOTAM FILE MQI**RWY 05-23:** H4305X100 (ASPH) S-48 MIRL**RWY 05:** REIL. PAPI(P2L)—GA 3.0° TCH 28'. Thld dsplcd 305'.**RWY 23:** PAPI(P2L)—GA 4.0°. Thld dsplcd 301'. Trees.**RWY 17-35:** H3301X73 (ASPH) S-20 MIRL**RWY 17:** Thld dsplcd 289'. Trees.**RWY 35:** Thld dsplcd 989' Trees.**AIRPORT REMARKS:** Attended 1300-0000Z†. CLOSED Christmas day.

After hrs self svc fuel avbl with credit card—100LL. Call 252-216-7028 or 252-216-8407. 300' crane 3 NM SW AER 05. 200' lgtd crane 2 NM SSW of arpt. Banner towing ops 200' W of Rwy 05. Migratory waterfowl Oct-Feb. Rwy 05 15' dropoff 40' from thld. Rwy 23 PAPI OTS indef. ACTIVATE MIRL Rws 05-23 and 17-35, PAPI and REIL Rwy 05—CTAF.

WEATHER DATA SOURCES: AWOS-3 128.275 (252) 473-2826.**COMMUNICATIONS:** CTAF/UNICOM 122.8**WASHINGTON CENTER APP/DEP CON** 124.725**RADIO AIDS TO NAVIGATION:** NOTAM FILE MQI.**WRIGHT BROTHERS (T) VORW/DME** 111.6 RBX Chan 53

N35°55.23' W75°41.82' at fld. 10/08W.

MANTEO NDB (MHW) 370 MQI N35°54.92' W75°41.70' at fld.**COMM/NAV/WEATHER REMARKS:** VORW/DME and NDB unmonitored 2300-1300Z†.

CHARLOTTE

L-35D

IAP, AD

MARION**SHIFLET FLD** (9A9) 3 N UTC-5(-4DT) N35°43.24' W82°00.59'1212 B S4 **FUEL** 100LL NOTAM FILE RDU**RWY 10-28:** 3340X180 (TURF) LIRL**RWY 10:** Trees. **RWY 28:** Trees.

AIRPORT REMARKS: Attended Mon-Fri 1300-2200Z†. For fuel call 828-655-1306 cash only. Rwy subject to flooding after very heavy rains on east end. Hangers are spaced closer than normal; slower taxi speeds required.

ACTIVATE LIRL Rwy 10-28 and arpt beacon—CTAF.

COMMUNICATIONS: CTAF 122.9

ATLANTA

MARKY N36°10.02' W80°02.14' NOTAM FILE GSO.**NDB (LOM)** 254 GS 139° 6.3 NM to Piedmont Triad International. (Unmonitored)

CINCINNATI

L-25E, 36F

MARTIN CO (See WILLIAMSTON)**MAXTN** N34°44.04' W79°26.66' NOTAM FILE RDU.**NDB (MHW/LOM)** 257 ME 056° 5.2 NM to Laurinburg-Maxton. OM OTS indef.

CHARLOTTE

L-35A, 36E

APP CRS **046°**
Rwy Idg **4000**
TDZE **13**
Apt Elev **14**

GPS RWY 5

MANTEO/ DARE COUNTY RGNL (MQI)



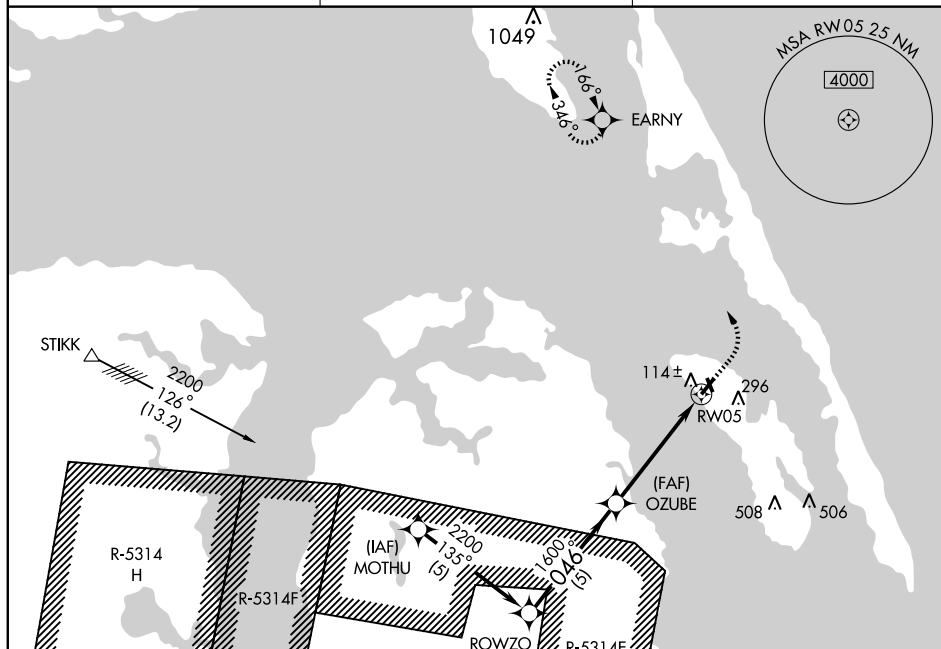
When R-5314 A,C,E,F,G or H in effect
procedure not authorized.

MISSED APPROACH: Climb to 800 then climbing left
turn to 2200 direct EARNY WP and hold.

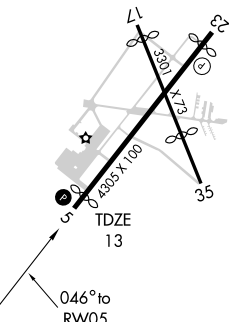
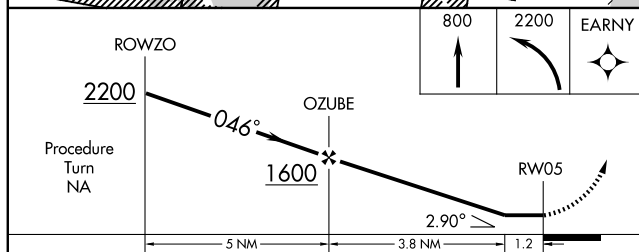
AWOS-3
128.275

WASHINGTON CENTER
124.725 350.35

UNICOM
122.8 (CTAF) 0



ELEV 14



CATEGORY	A	B	C	D
S-5	440-1 427 (500-1)		440-1½ 427 (500-1½)	NA
CIRCLING	600-1 586 (600-1)		600-1½ 586 (600-1½)	NA

REIL Rwy 5 0
MIRL Rwy 5-23 and 17-35 0

APP CRS **166°**
Rwy Idg **3012**
TDZE **14**
Apt Elev **14**

GPS RWY 17

MANTEO/DARE COUNTY RGNL (MQI)

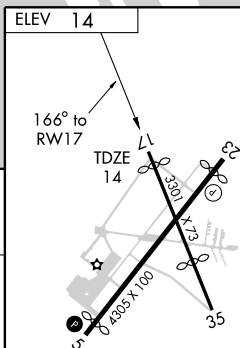
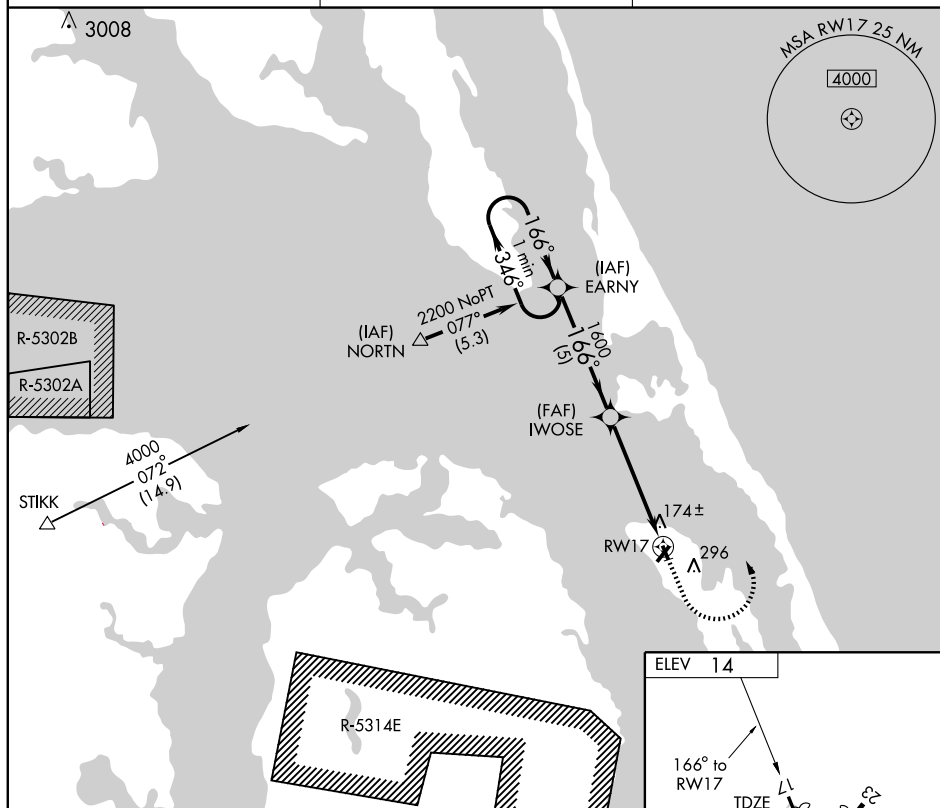


MISSED APPROACH: Climb to 800 then climbing left turn to 2200 direct EARNY WP and hold.

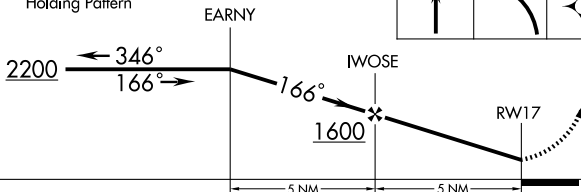
AWOS-3
128.275

WASHINGTON CENTER
124.725 350.35

UNICOM
122.8 (CTAF) 0



One Minute
Holding Pattern



CATEGORY	A	B	C	D
S-17	440-1 426 (500-1)		440-1 1/4 426 (500-1 1/4)	NA
CIRCLING	600-1 586 (600-1)		600-1 1/2 586 (600-1 1/2)	NA

REIL Rwy 5 0
MIRL Rws 5-23 and 17-35 0

APP CRS	Rwy Idg	4004
226°	TDZE	13
	Apt Elev	14

GPS RWY 23

MANTEO/ DARE COUNTY RGNL (MQI)

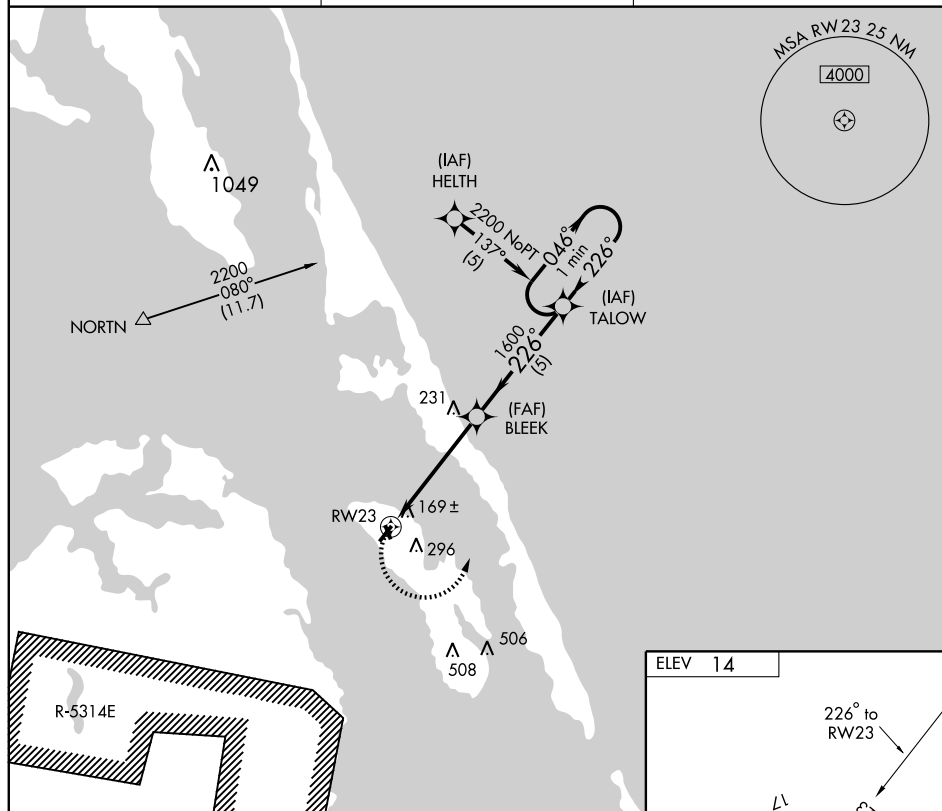


MISSED APPROACH: Climbing left turn to 2200 direct TALOW WP and hold.

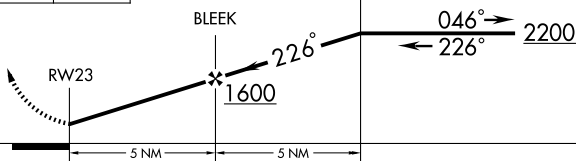
AWOS-3
128.275

WASHINGTON CENTER
124,725 350,35

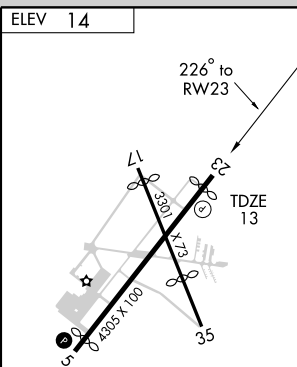
UNICOM
122.8 (CTAF) **L**



One Minute Holding Pattern



CATEGORY	A	B	C	D
S-23	440-1 427 (500-1)		440-1 $\frac{1}{4}$ 427 (500- $\frac{1}{4}$)	NA
CIRCLING	600-1 586 (600-1)		600-1 $\frac{1}{2}$ 586 (600- $\frac{1}{2}$)	NA



REIL Rwy 5 **L**
MIRL Rwy 5-23 and 17-35 **L**

GPS RWY 23

NDB MQI 370	APP CRS 060°	Rwy ldg TDZE Apt Elev	4000 13 14
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NDB RWY 5

MANTEO/ DARE COUNTY RGNL(MQI)

V When R-5314-A, B, C, D, E, or F in effect procedure not authorized.

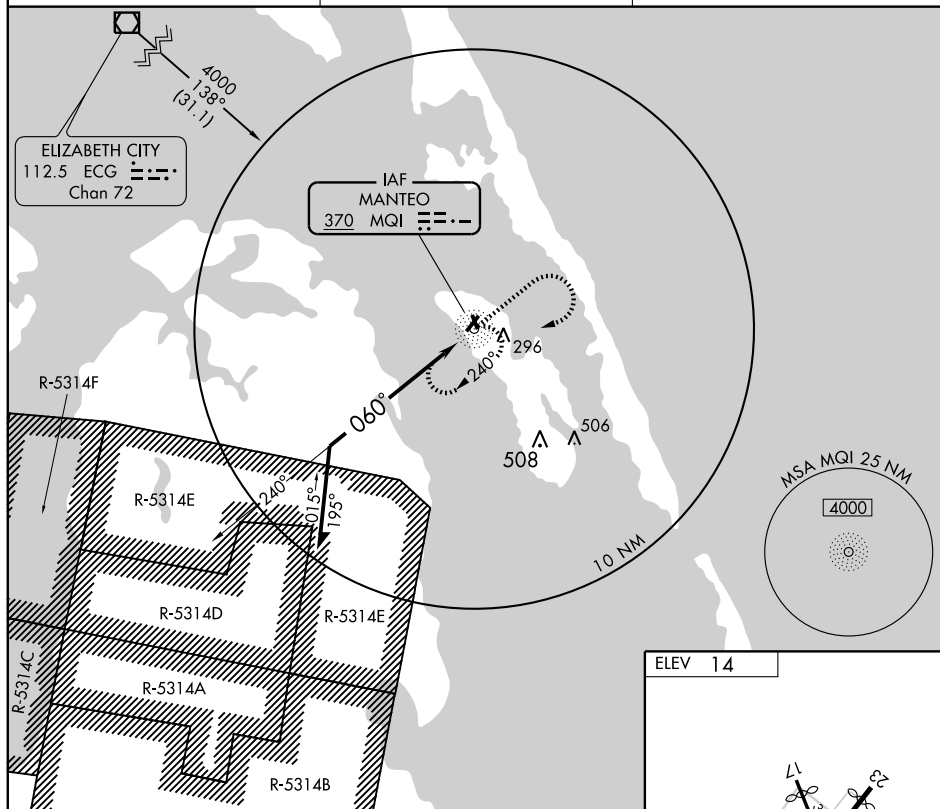
NA

MISSED APPROACH: Climb to 1200 then climbing right turn to 1700 direct MQI NDB and hold.

AWOS-3
128.275

WASHINGTON CENTER
124.725 350.35

UNICOM
122.8 (CTAF) 0



Remain
within 10 NM

NDB

1200

1700

MQI

370

TDZE

13

060° to
MQI NDB

CATEGORY	A	B	C	D
S-5	640-1 627 (700-1)		640-1 ³ / ₄ 627 (700-1 ³ / ₄)	NA
CIRCLING	640-1 626 (700-1)		640-1 ³ / ₄ 626 (700-1 ³ / ₄)	NA

REIL Rwy 5 0

MIRL Rwy 5-23 and 17-35 0

MANTEO, NORTH CAROLINA

Amdt 5 09239

MANTEO/ DARE COUNTY RGNL(MQI)

35°55'N-75°42'W

NDB RWY 5

NDB MQI 370	APP CRS 174°	Rwy Idg TDZE Apt Elev	3012 14 14
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NDB RWY 17

MANTEO/ DARE COUNTY RGNL (MQI)

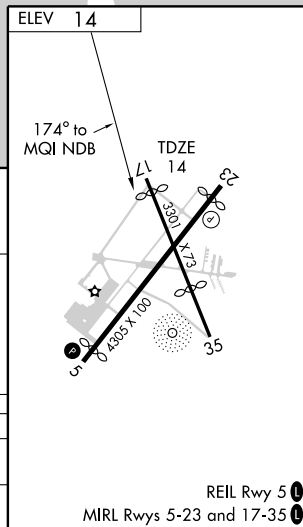
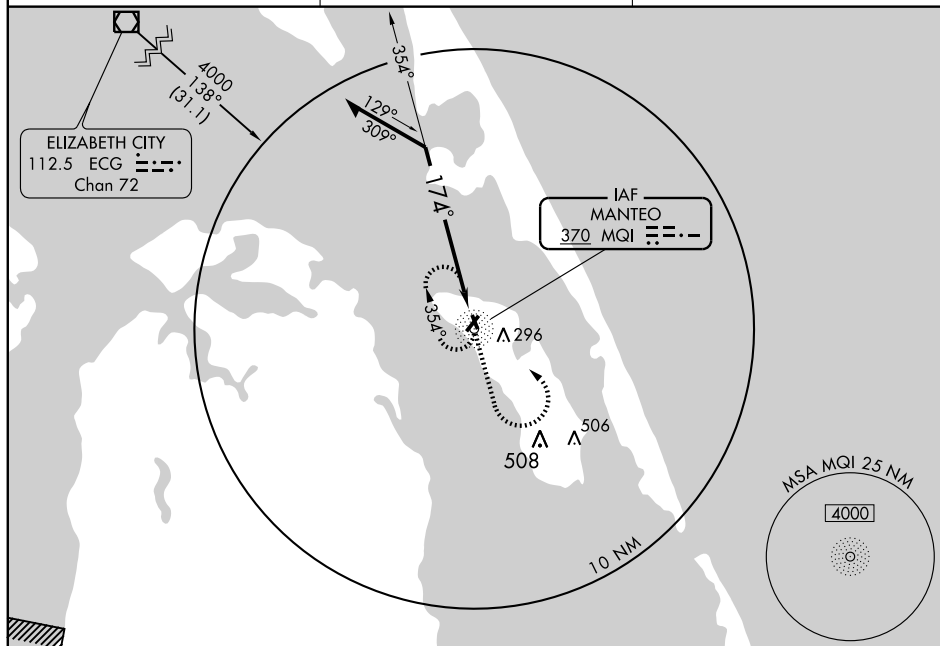


MISSED APPROACH: Climb to 1000 then climbing left turn to 2000 direct MQI NDB and hold.

AWOS-3
128.275

WASHINGTON CENTER
124.725 350.35

UNICOM
122.8 (CTAF) 0



Remain
within 10 NM

2000

NDB

1000

2000

MQI

370

CATEGORY	A	B	C	D
S-17	680-1	666 (700-1)	680-1 ³ / ₄ 666 (700-1 ³ / ₄)	NA
CIRCLING	680-1	666 (700-1)	680-1 ³ / ₄ 666 (700-1 ³ / ₄)	NA

MANTEO, NORTH CAROLINA

Amdt 5 09239

MANTEO/ DARE COUNTY RGNL (MQI)

35°55'N-75°42'W

NDB RWY 17

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

VOR/DME RBX
111.6
 Chan **53**

APP CRS
174°

Rwy Idg
 TDZE
 Apt Elev

3012
14
14

VOR RWY 17

MANTEO/ DARE COUNTY RGNL (MQI)

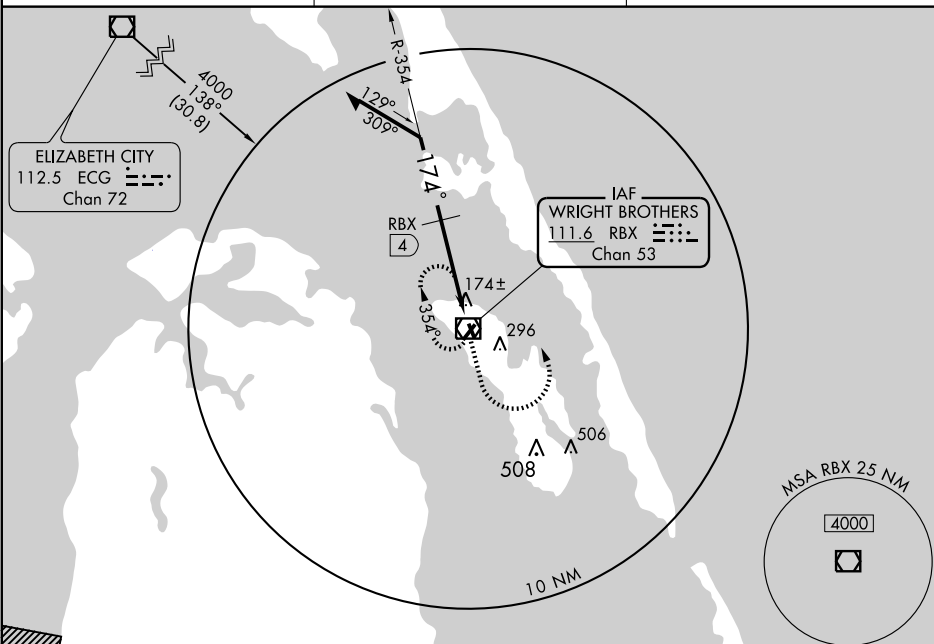
▼
 ▲ NA

MISSED APPROACH: Climb to 1000 then climbing left turn to 2000 direct RBX VOR/DME and hold.

AWOS-3
128.275

WASHINGTON CENTER
124.725 350.35

UNICOM
122.8 (CTAF) 0



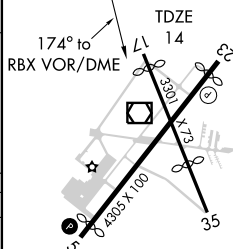
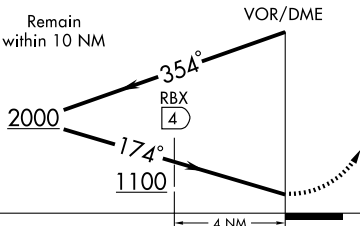
ELEV 14

Remain
 within 10 NM

VOR/DME

1000

2000

RBX
111.6

CATEGORY	A	B	C	D
S-17	1100-1¼ 1086 (1100-1¼)	1100-1½ 1086 (1100-1½)	1100-3 1086 (1100-3)	NA
CIRCLING	1100-1¼ 1086 (1100-1¼)	1100-1½ 1086 (1100-1½)	1100-3 1086 (1100-3)	NA
DME MINIMUMS				
S-17	440-1 426 (500-1)	440-1¼ 426 (500-1¼)	NA	NA
CIRCLING	600-1 586 (600-1)	600-1½ 586 (600-1½)	NA	NA

REIL Rwy 5 0
 MIRL Rwy 5-23 and 17-35 0

MAXTON

LAURINBURG—MAXTON (MEB) 3 N UTC-5(-4DT) N34°47.52' W79°21.95'

216 B S2 FUEL 100LL, JET A1+ NOTAM FILE MEB

RWY 05-23: H6503X150 (CONC) S-25, D-35 HIRL

RWY 05: MALSR. PAPI(P4L)—GA 3.0°TCH 51'. Trees.

RWY 23: PAPI(P4L)—GA 3.0°TCH 50'. Trees. Rgt tfc.

RWY 13-31: H3753X150 (CONC) S-25, D-35 MIRL

RWY 13: Trees. Rgt tfc.

AIRPORT REMARKS: Attended Mon-Fri 1300Z±-2200Z±. For svc after hrs call 910-277-0367 or 910-318-6907. 24 hr self svc with credit card. For airframe repairs call apt to arrange for svc. Parachute Jumping. Heavy parachute jumping at south end of closed Rwy 18-36 and south side of Rwy 13-31. Farming equipment and military operations on and in/ovf arpt. Rwy 13-31 spalling, heaving, cracks and loose gravel on rwy due to failed pavement areas. Upslope first 1000' Rwy 23 restricted sight distance to SW end of rwy. Parallel and connector twys on Rwy 13-31 clsd and unusable. ACTIVATE MALSR Rwy 05, PAPI Rwy 05 and Rwy 23, HIRL Rwy 05-23—CTAF. For MIRL Rwy 13-31 ctc arpt manager 910-277-3067 or 910-318-6907.

WEATHER DATA SOURCES: ASOS 134.125 (910)844-5338.

COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ FAYETTEVILLE APP/DEP CON 127.8

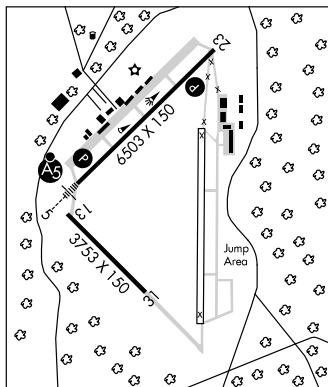
GCO 135.075 (FAYETTEVILLE CLNC)

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

SANDHILLS (L) VORTAC 111.8 SDZ Chan 55 N35°12.93' W79°35.28' 160° 27.6 NM to fld. 590/03W.

MAXTN NDB (MHW/LOM) 257 ME N34°44.04' W79°26.66' 056° 5.2 NM to fld. OM OTS indef.

ILS 110.7 I-MEB Rwy 05. Class IB. LOM MAXTN NDB. LOC/GS unmonitored SS-SR. OM/MM unmonitored. OM OTS indef.



MCCUTCHEON FLD (See NEW RIVER MCAS)

MEADOW BROOK FLD (See WALNUT COVE)

MEBANE

HURDLE FLD (4W7) 2 SW UTC-5(-4DT) N36°04.01' W79°16.98'

680 NOTAM FILE RDU

RWY 03-21: 2200X150 (TURF)

RWY 03: Road. **RWY 21:** P-line.

AIRPORT REMARKS: Attended irregularly. Rwy 21 unmarked p-line is difficult to see.

COMMUNICATIONS: CTAF 122.9

CINCINNATI

MEYERS HELIPORT (See CANDLER)

MICHAEL J. SMITH FLD (See BEAUFORT)

LOC I-MEB 110.7	APP CRS 054°	Rwy Idg TDZE Apt Elev	6503 216 220
---------------------------	------------------------	-----------------------------	---

ILS or LOC RWY 5

MAXTON/LAURINBURG-MAXTON (MEB)

T When local altimeter setting not received, use Lumberton altimeter setting and increase DA to 473 feet and increase all MDA 60 feet. Increase S-LOC 5 Cat. D visibility ¼ mile. ADF REQUIRED.

MALSR



MISSED APPROACH: Climb to 1200 then climbing left turn to 2000 direct ME LOM and hold.

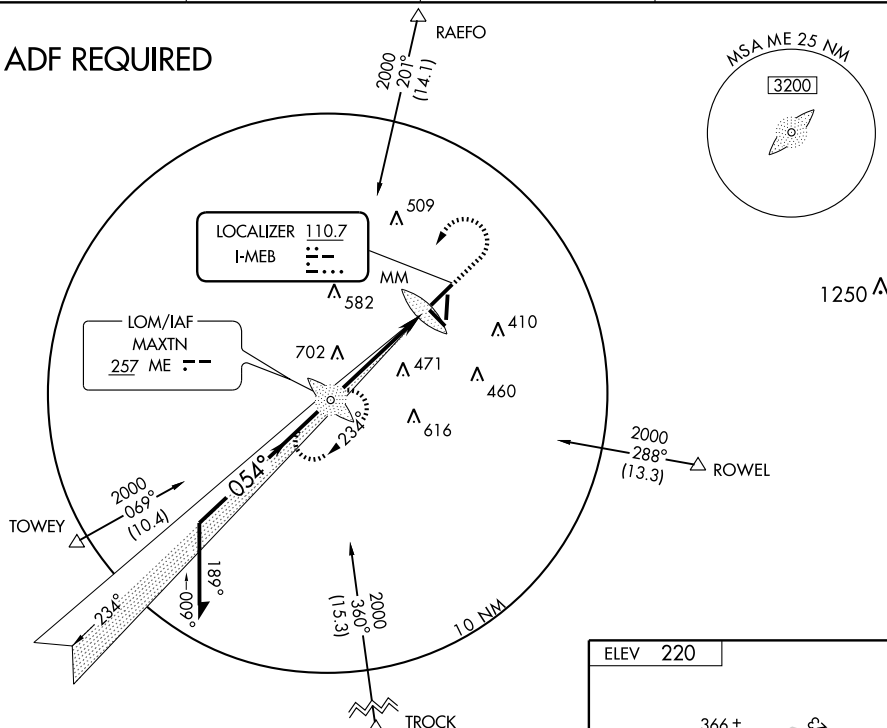
ASOS
134.125

FAYETTEVILLE APP CON
127.8 343.725

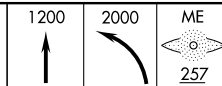
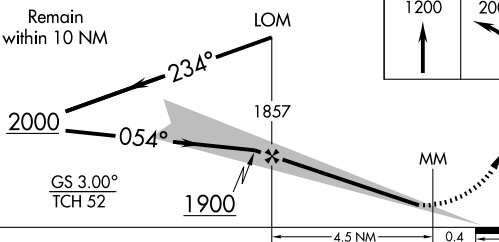
GCO
135.075

UNICOM
122.8 (CTAF)

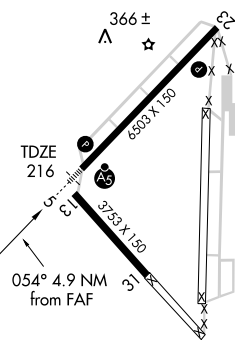
ADF REQUIRED



Remain within 10 NM



ELEV 220



MIRL Rwy 13-31

HIRL Rwy 5-23

FAF to MAP 4.9 NM


Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

APP CRS	Rwy Idg	6503
054°	TDZE	216
	Apt Elev	220

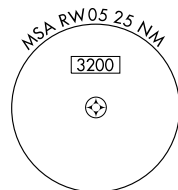
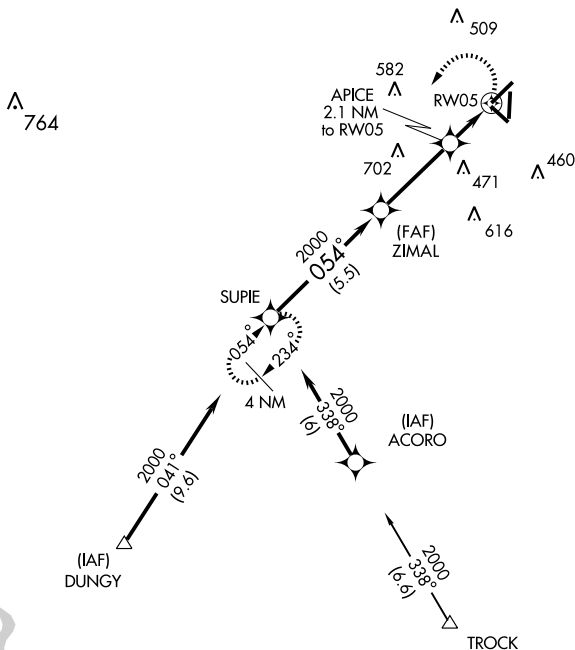
RNAV (GPS) RWY 5

MAXTON/LAURINBURG-MAXTON (MEB)

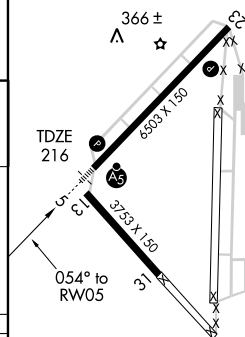
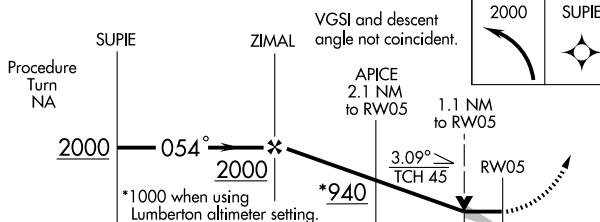
V When local altimeter setting not received, use Lumberton altimeter setting and increase all MDA 60 feet. For inoperative MALSR, increase LNAV Cat. D visibility ¼ mile. DME/DME RNP-0.3 NA. VDP NA when using Lumberton altimeter setting.

MALSR 

MISSED APPROACH: Climbing left turn to 2000 direct SUPIE WP and hold.

ASOS
134.125FAYETTEVILLE APP CON
127.8 343.725GCO
135.075UNICOM
122.8 (CTAF) **1**

ELEV 220



CATEGORY	A	B	C	D
LNAV MDA	620-½ 404 (400-½)	620-¾ 404 (400-¾)	620-1 404 (400-1)	620-1 404 (400-1)
CIRCLING	680-1 460 (500-1)	680-1½ 460 (500-1½)	780-2 560 (600-2)	780-2 560 (600-2)

MIRL Rwy 13-31
HIRL Rwy 5-23 **1**

APP CRS **234°**
Rwy Idg **6503**
TDZE **220**
Apt Elev **220**

RNAV (GPS) RWY 23

MAXTON/ LAURINBURG-MAXTON (MEB)



GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
If local altimeter setting not received, use Lumberton
altimeter setting and increase all MDA's 60 feet.
VDP NA with Lumberton altimeter setting.

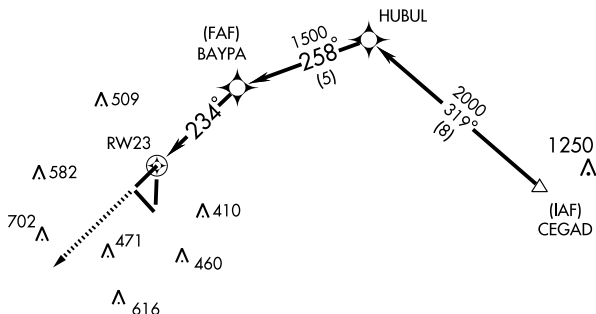
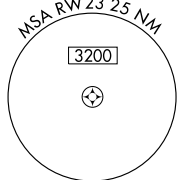
MISSED APPROACH: Climb to 2000 direct
SUPIE WP and hold.

ASOS
134.125

FAYETTEVILLE APP CON
127.8 343.725

GCO
135.075

UNICOM
122.8 (CTAF) 0

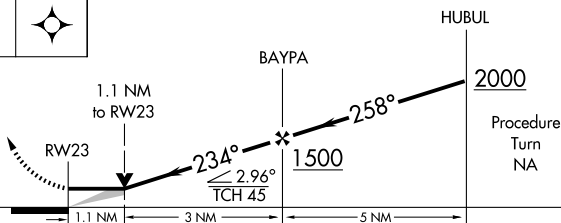


SUPIE

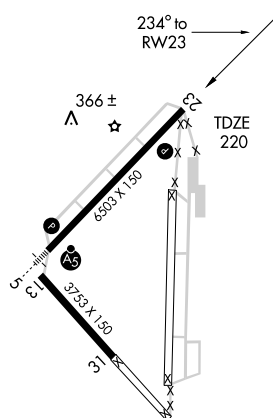


2000

SUPIE



ELEV 220



CATEGORY	A	B	C	D
LNNAV MDA	580-1	360 (400-1)		580-1¼ 360 (400-1¼)
CIRCLING	680-1	460 (500-1)	680-1½ 460 (500-1½)	780-2 560 (600-2)

MIRL Rwy 13-31
HIRL Rwy 5-23 0

MOCKSVILLE

SUGAR VALLEY (31A) 6 NE UTC-5(-4DT) N35°59.12' W80°30.67'

CHARLOTTE

731 TPA-1500(769) NOTAM FILE RDU

RWY 02-20: H2424X25 (ASPH) LIRL (NSTD)

RWY 02: Trees. Rgt tfc. RWY 20: Trees.

AIRPORT REMARKS: Attended Mon-Fri 1400-2100Z \pm . Arpt CLOSED to transient acft 2300-1100Z \pm . Be alert for 55' trees 50' from Rwy 20 thld during ngt ops. Day VFR ops for transient acft only. Recommended ldg Rwy 02 and txf Rwy 20 due to obstructing trees on NE end. Rwy 02-20 safety area has hazardous depressions as close as 15' from pavement. Rwy 02 rwy numbers are smaller than standard. Rwy 20 rwy numbers are smaller than standard. Rwy 02-20 NSTD LIRL; not FAA approved L-800 series. Thld lgts 13' from pavement. ACTIVATE LIRL Rwy 02-20-CTAF.

COMMUNICATIONS: CTAF/UNICOM 123.0

710

WATERWAY 02-20: 2000X100 (WATER)

WATERWAY 02: Trees. WATERWAY 20: Ground.

SEAPLANE REMARKS: Rwy 02W-20W CLOSED indef due to low water levels.

TWIN LAKES (8A7) 5 NE UTC-5(-4DT) N35°54.89' W80°27.41'

CHARLOTTE

818 B S4 FUEL 100LL TPA-1618(800) NOTAM FILE RDU

L-25D, 36F

RWY 09-27: H2943X50 (ASPH) S-12.5 LIRL 1.5% up E

IAP

RWY 09: PAPI(P2R). Trees. RWY 27: Trees.

AIRPORT REMARKS: Attended 1300-2200Z \pm . Fuel 24 hr self service with credit card. Deer/migratory birds occasionally on arpt. Rwy 09 18 ft drop-off 150 ft from thld left and right of centerline. Rwy 09 PAPI ops dusk-dawn.

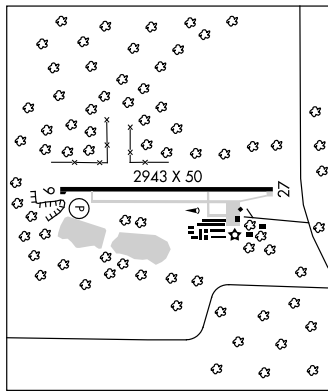
COMMUNICATIONS: CTAF/UNICOM 122.7

® GREENSBORO APP/DEP CON 124.35

RADIO AIDS TO NAVIGATION: NOTAM FILE GSO.

GREENSBORO (H) VORTAC 116.2 GSO Chan 109 N36°02.74'

W79°58.58' 255° 24.7 NM to fld. 879/03W. HIWAS.



APP CRS **094°**
Rwy Idg **2943**
TDZE **818**
Apt Elev **818**

RNAV (GPS) RWY 9

MOCKSVILLE/TWIN LAKES (8A7)

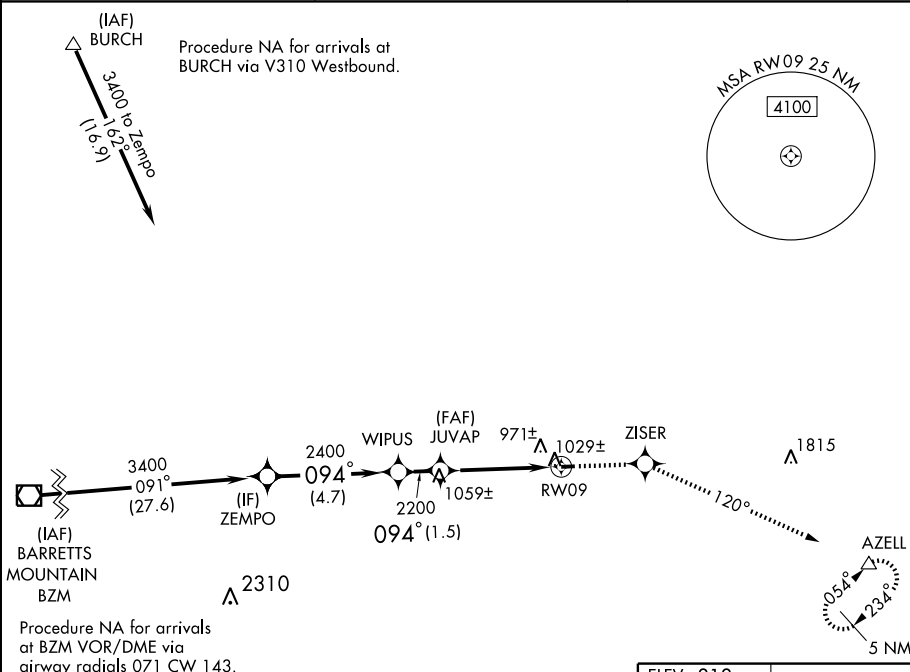
▽ Use Davidson County altimeter setting; if not received, use Smith Reynolds altimeter setting and increase all MDAs 40 feet.
▲ NA DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3000 direct ZISER and via 120° track to AZELL and hold.

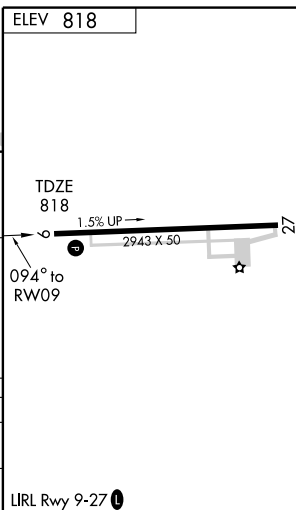
DAVIDSON COUNTY AWOS-3
119.825

GREENSBORO APP CON
124.35 269.225

UNICOM
122.7 (CTAF) 0



Procedure Turn NA	ZEMPO	WIPUS	JUVAP	RW09
3400	2400	2200	3.04° TCH 35	
4.7 NM	1.5 NM	4.3 NM		
CATEGORY	A	B	C	D
LNNAV MDA	1320-1	502 (600-1)	1320-1½ 502 (600-1½)	NA
CIRCLING	1400-1	582 (600-1)	1400-1½ 582 (600-1½)	NA



MONROE

CHARLOTTE—MONROE EXECUTIVE (EQY) 5 NW UTC-5(-4DT) N35°01.13' W80°37.21'

CHARLOTTE

679 B S4 FUEL 100LL, JET A+ OX 3, 4 NOTAM FILE EQY
RWY 05-23: H5500X100 (ASPH) S-25 D-38 HIRL 0.3% up SW

H-9B, 12G, L-25D, 36E
IAP

RWY 05: MALSR. REIL. PAPI(P2L)—GA 3.0° TCH 41'.

RWY 23: REIL. PAPI(P2L)—GA 3.0° TCH 44. Road.

AIRPORT REMARKS: Attended 1100-0300Z†. For after hr svc, phone 704-289-2615 or 704-320-6256. 24 hr self svc fuel, avbl for all fuel types with credit card. Deer, wildlife, and birds on and invof arpt. Unlighted construction crane located less than 1/4 mile southeast of Rwy 05-23. Arpt phone number 704-226-2300. ACTIVATE HIRL Rwy 05-23, MALSR Rwy 05—CTAF. REIL Rws 05 and 23 opr dusk-0500Z†. After 0500Z†, ACTIVATE—CTAF.

WEATHER DATA SOURCES: ASOS 135.775 (704) 283-5185.

COMMUNICATIONS: CTAF/UNICOM 122.7

Ⓡ **CHARLOTTE APP/DEP CON** 120.05 **CLINC DEL** 132.55

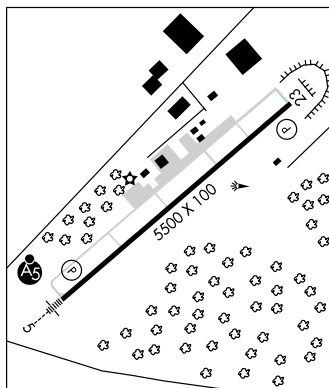
RADIO AIDS TO NAVIGATION: NOTAM FILE CLT.

CHARLOTTE (L) VORW/DME 115.0 CLT Chan 97 N35°11.42' W80°57.11' 127° 19.3 NM to fld. 732/05W. **HIWAS.**

FORT MILL (L) VORTAC 112.4 FML Chan 71 N34°59.35' W80°57.27' 086° 16.6 NM to fld. 645/02W. NOTAM FILE AND. SHUTDOWN.

WESLEY NDB (MHW) 204 TWL N34°57.18' W80°42.31' 052° 5.8 NM to fld. NOTAM FILE EQY. NDB unmonitored 2200-1300Z†.

ILS 109.75 I-EQY Rwy 05. Class 1A. LOC unmonitored 2200-1300Z†. Coupled apch not authorized blo 1120'.



MONTGOMERY CO (See STAR)

MOORE CO (See PINEHURST/SOUTHERN PINES)

MOORESVILLE

LAKE NORMAN AIRPARK (14A) 5 NW UTC-5(-4DT) N35°36.83' W80°53.97'

CHARLOTTE

839 B S4 FUEL 100LL NOTAM FILE RDU

L-25D, 36E

RWY 14-32: H3147X40 (ASPH) S-8 MIRL 1.0% up SE

RWY 14: PVASI(PSIR)—GA 4.0° TCH 15'. Trees. Thld dsplcd 185'.

RWY 32: PVASI(PSIR)—GA 4.0° TCH 5'. Road.

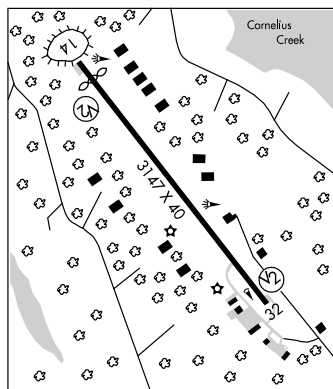
AIRPORT REMARKS: Attended 1300-2300Z†. Dep Rwy 14 heading 160° to avoid school. Full acft maintenance avbl ctc 704-662-6986. VFR operations only. Rwy 14 has uphill grade. Acft taxiing on grass in vicinity of residential airpark hanger access. Rwy numbers NSTD. Rwy 14 small numbers. Rwy 32 has 10' drop off 5' fm left side of pavement and acft parked 200' fm end of Rwy 100' right of centerline. Noise sensitive area. Avoid departures between 0400 and 1100Z†. ACTIVATE MIRL Rwy 14-32—CTAF. PVASI opr dusk-dawn.

COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ **CHARLOTTE APP/DEP CON** 134.75

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

CHARLOTTE (L) VORW/DME 115.0 CLT Chan 97 N35°11.42' W80°57.11' 11° 25.5 NM to fld. 732/05W. **HIWAS.**



MOREHEAD N34°43.87' W76°39.73' NOTAM FILE MRH.

CHARLOTTE

NDB (MHW) 269 MRH at Michael J. Smith Fld. NDB unmonitored.

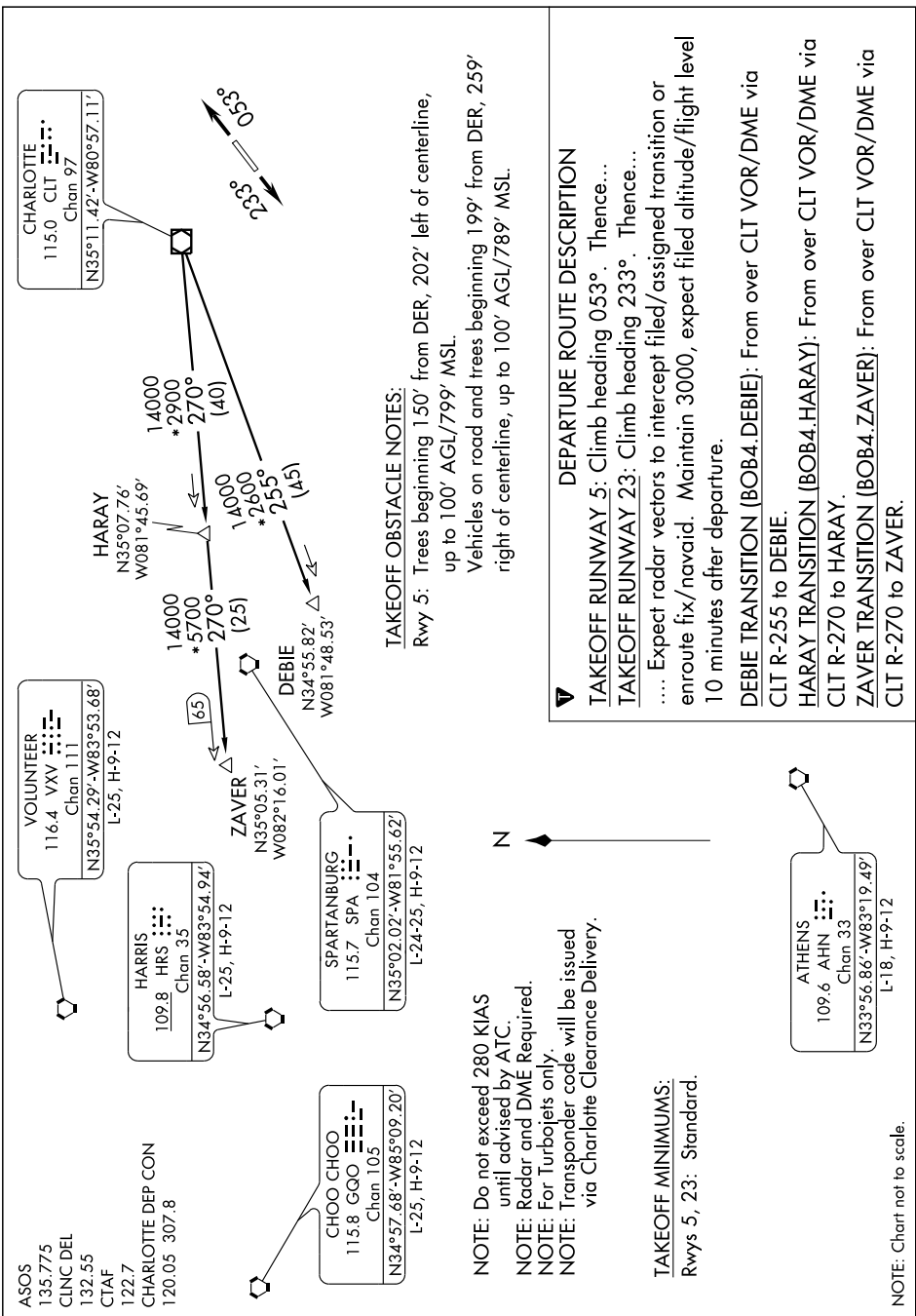
L-33E

(BOB4.BOB) 10154

BOBCAT FOUR DEPARTURE

CHARLOTTE-MONROE EXECUTIVE (EQY)
SL-5726 (FAA)
MONROE, NORTH CAROLINA

SE-2, 21 OCT 2010 to 18 NOV 2010



SE-2, 21 OCT 2010 to 18 NOV 2010

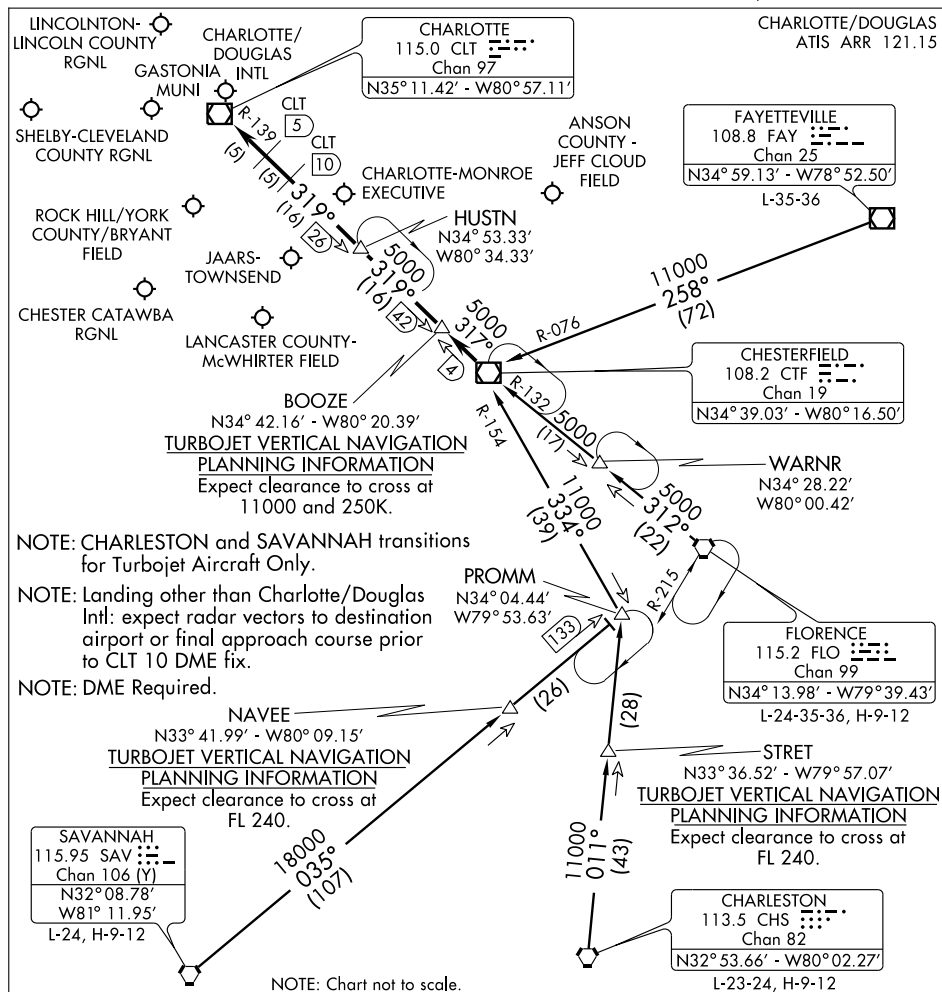
BOBCAT FOUR DEPARTURE

(BOB4.BOB) 10154

MONROE, NORTH CAROLINA
CHARLOTTE-MONROE EXECUTIVE (EQY)

CHESTERFIELD THREE ARRIVAL

CHARLOTTE, NORTH CAROLINA



CHARLESTON TRANSITION (CHS.CTF3): From over CHS VORTAC via CHS R-011 to PROMM INT then via CTF R-154 to CTF VOR/DME. Thence....

FAYETTEVILLE TRANSITION (FAY.CTF3): From over FAY VOR/DME via FAY R-258 and CTF R-076 to CTF VOR/DME. Thence....

FLORENCE TRANSITION (FLO.CTF3): From over FLO VORTAC via FLO R-312 and CTF R-132 to CTF VOR/DME. Thence....

SAVANNAH TRANSITION (SAV.CTF3): From over SAV VORTAC via SAV R-035 to PROMM INT then via CTF R-154 to CTF VOR/DME. Thence....

... From over CTF VOR/DME via CTF R-317 to BOOZE, then via CLT R-139 to:

(LANDING NORTH) HUSTN INT: Expect radar vectors to final approach course.

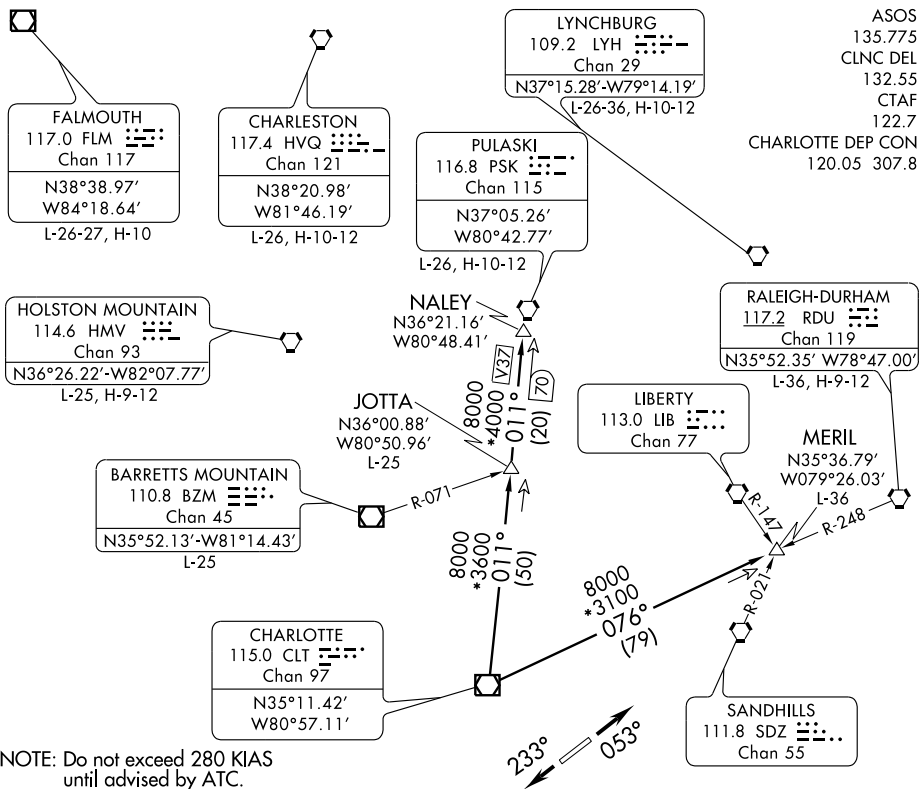
(LANDING SOUTH) CLT VOR/DME: Expect radar vectors to final approach course prior to CLT 5 DME fix.

CHESTERFIELD THREE ARRIVAL

CHARLOTTE, NORTH CAROLINA

HORNET SIX DEPARTURE

CHARLOTTE-MONROE EXECUTIVE (EQY)
SL-5726 (FAA) MONROE, NORTH CAROLINA



NOTE: Do not exceed 280 KIAS until advised by ATC.
NOTE: Radar and DME Required.
NOTE: For Turbojets only.
NOTE: Transponder code will be issued via Charlotte Clearance Delivery.

TAKEOFF OBSTACLE NOTES:

Rwy 5: Trees beginning 150' from DER, 202' left of centerline, up to 100' AGL/799' MSL.
Vehicles on road and trees beginning 199' from DER, 259' right of centerline, up to 100' AGL/789' MSL.

TAKEOFF MINIMUMS:
Rwys 5, 23: Standard.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb heading 053°. Thence....

TAKEOFF RUNWAY 23: Climb heading 233°. Thence....

.... Expect radar vectors to intercept filed/assigned transition or enroute fix/navaid.
Maintain 3000, expect filed altitude/flight level 10 minutes after departure.

JOTTA TRANSITION (HOR6.JOTTA): From over CLT VOR/DME via CLT R-011 to JOTTA.

MERIL TRANSITION (HOR6.MERIL): From over CLT VOR/DME via CLT R-076 to MERIL.

NALEY TRANSITION (HOR6.NALEY): From over CLT VOR/DME via CLT R-011 to NALEY.

HORNET SIX DEPARTURE
(HOR6.HOR) 10154

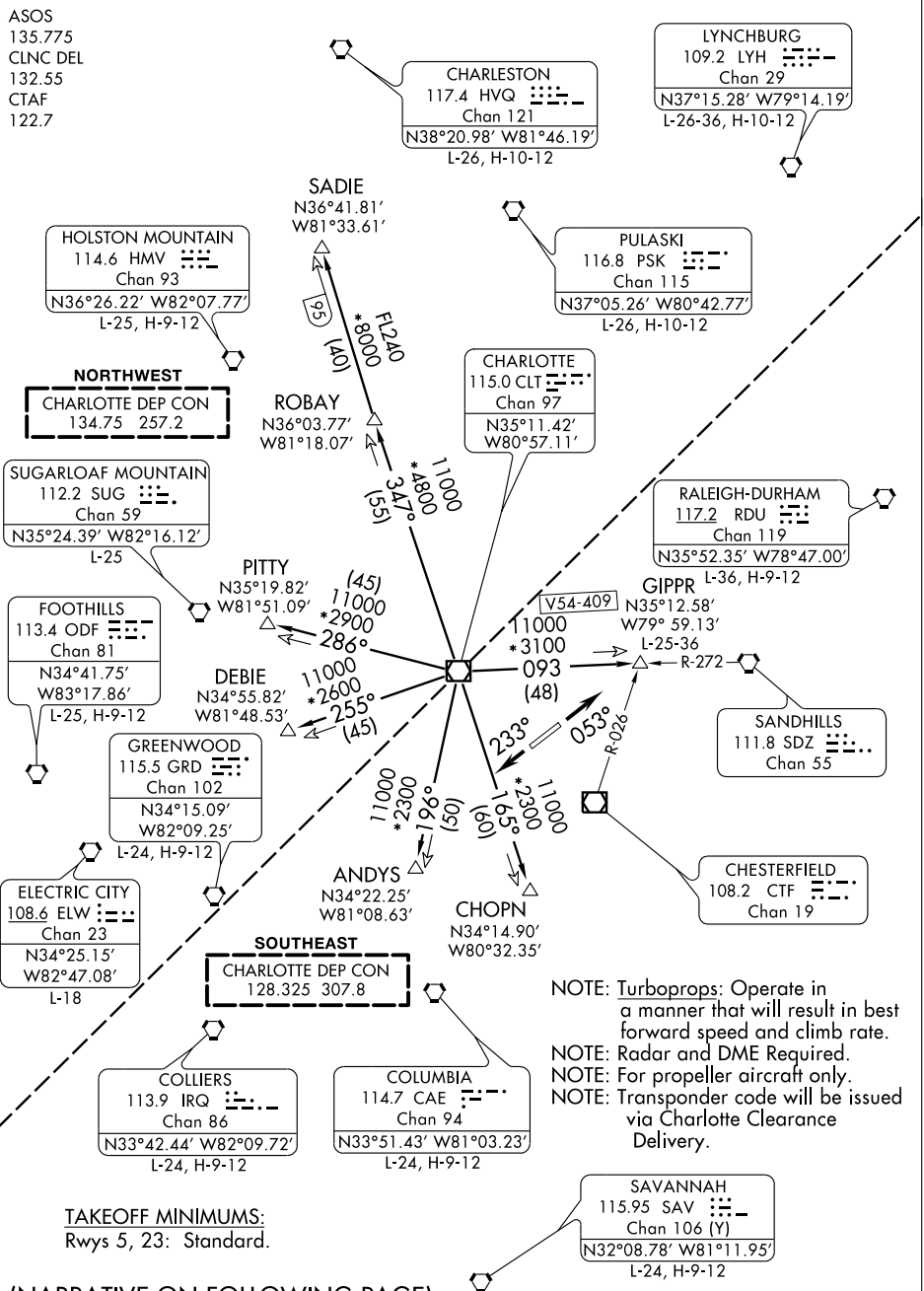
MONROE, NORTH CAROLINA
CHARLOTTE-MONROE EXECUTIVE (EQY)

SE-2, 21 OCT 2010 to 18 NOV 2010

HUGO ONE DEPARTURE

CHARLOTTE-MONROE EXECUTIVE (EQY)
MONROE, NORTH CAROLINA
SL-5726 (FAA)

ASOS
135.775
CLNC DEL
132.55
CTAF
122.7



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

HUGO ONE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb heading 053°. Thence....

TAKEOFF RUNWAY 23: Climb heading 233°. Thence....

.... Expect radar vectors to intercept filed/assigned transition or enroute fix/navaid. Maintain 3000, expect filed altitude/flight level 10 minutes after departure.

ANDYS TRANSITION (HUG1.ANDYS): From over CLT VOR/DME via CLT R-196 to ANDYS.

CHOPN TRANSITION (HUG1.CHOPN): From over CLT VOR/DME via CLT R-165 to CHOPN.

DEBIE TRANSITION (HUG1.DEBIE): From over CLT VOR/DME via CLT R-255 to DEBIE.

GIPPR TRANSITION (HUG1.GIPPR): From over CLT VOR/DME via CLT R-093 to GIPPR.

PITTY TRANSITION (HUG1.PITTY): From over CLT VOR/DME via CLT R-286 to PITTY.

ROBAY TRANSITION (HUG1.ROBAY): From over CLT VOR/DME via CLT R-347 to ROBAY.

SADIE TRANSITION (HUG1.SADIE): From over CLT VOR/DME via CLT R-347 to SADIE.

TAKEOFF OBSTACLE NOTES:

Rwy 5: Trees beginning 150' from DER, 202' left of centerline, up to 100' AGL/799' MSL.

Vehicles on road and trees beginning 199' from DER, 259' right of centerline, up to 100' AGL/789' MSL.

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

LOC I-EQY 109.75	APP CRS 053°	Rwy Idg TDZE Apt Elev	5500 679 679
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ILS or LOC/NDB RWY 5

CHARLOTTE-MONROE EXECUTIVE (EQY)

NA For inoperative MALS, increase S-LOC 5 Cat. D visibility to 1 mile. Autopilot coupled approach NA below 1120. ADF required. If local altimeter setting not received, use Charlotte altimeter setting and increase all DAs 56 feet/MDAs 60 feet.	MALS 	MISSED APPROACH: Climb to 1500 then climbing right turn to 2500 direct TWL NDB and hold.
--	-----------------	---

ASOS

135.775

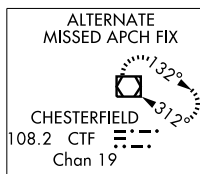
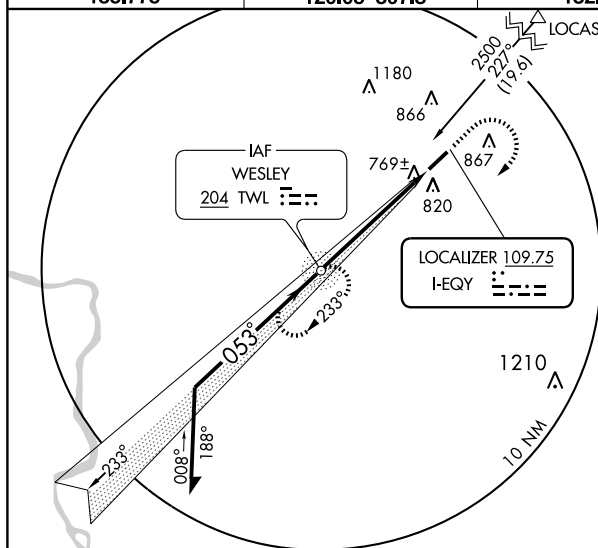
CHARLOTTE APP CON

120.05 307.8

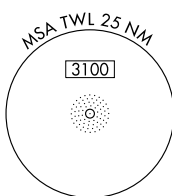
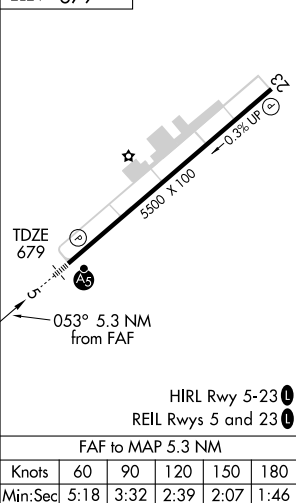
CLNC DEL

132.55

UNICOM

122.7 (CTAF) 0**ADF REQUIRED**

ELEV 679


CHESTERFIELD
 108.2 CTF
 Chan 19

Remain within 10 NM	<div> <div>1500</div> <div>2500</div> <div>TWL 204</div> </div>			
2500 053° GS 3.00° TCH 56 VGSI and ILS glidepath not coincident.	<div> <div>2450</div> <div>2500</div> <div>5.3 NM</div> </div>			
CATEGORY	A	B	C	D
S-ILS 5	879-½ 200 (200-½)			
S-LOC 5	1020-½ 341 (400-½)			1020-¾ 341 (400-¾)
CIRCLING	1220-1 541 (600-1)		1220-1½ 541 (600-1½)	1240-2 561 (600-2)

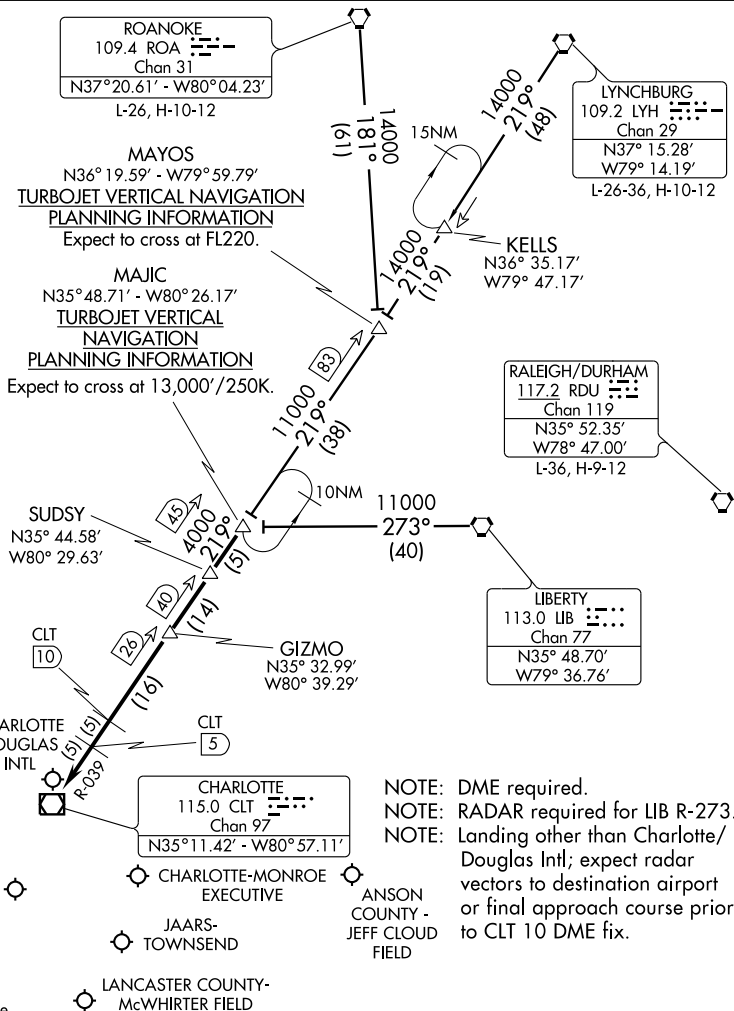
 MONROE, NORTH CAROLINA
 Amdt 1 09183

35°01'N-80°37'W

CHARLOTTE-MONROE EXECUTIVE (EQY)
ILS or LOC/NDB RWY 5

CHARLOTTE/DOUGLAS
ATIS ARR 121.15
CHARLOTTE APP CON

(001° -119°)	128.32
(120° -245°)	120.05
(246° -360°)	134.75
(180° -359°)	257.2
(360° -179°)	307.8



NOTE: DME required.
NOTE: RADAR required for LIB R-273.
NOTE: Landing other than Charlotte/
Douglas Intl; expect radar
vectors to destination airport
or final approach course prior
to CLT 10 DME fix.

NOTE: Chart not to scale.

LIBERTY TRANSITION (LIB.MAJIC1): From over LIB VORTAC via LIB R-273 to MAJIC INT. Thence. . . .

LYNCHBURG TRANSITION (LYH.MAJIC1): From over LYH VORTAC via LYH R-219 and CLT R-039 to MAJIC INT. Thence. . . .

ROANOKE TRANSITION (ROA.MAJIC1): From over ROA VORTAC via ROA R-181 and CLT R-039 to MAJIC INT. Thence. . . .

. . . .From over MAJIC via CLT R-039 to:

LANDING NORTH: CLT VOR/DME. Expect radar vectors to final approach course p to the CLT 5 DME fix.

LANDING SOUTH: GIZMO. Expect radar vectors to final approach course.

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

PANTHER ONE DEPARTURE

ASOS
 135.775
 CLNC DEL
 132.55
 CTAF
 122.7
 CHARLOTTE DEP CON
 120.05 307.8

CHARLOTTE
 115.0 CLT
 Chan 97
 N35°11.42' W80°57.11'

SANDHILLS
 111.8 SDZ
 Chan 55

FAYETTEVILLE
 108.8 FAY
 Chan 25

FLORENCE
 115.2 FLO
 Chan 99

COLLIERS
 113.9 IRQ
 Chan 86

COLUMBIA
 114.7 CAE
 Chan 94
 N33°51.43'
 W81°03.23'
 L-24, H-9-12

TREAL
 N33°04.18'
 W81°26.46'

SAVANNAH
 115.95 SAV
 Chan 106 (Y)

DUNKN
 N31°58.70'
 W81°57.93'

TAYLOR
 112.9 TAY
 Chan 76
 N30°30.28'
 W82°33.17'
 L-21-24, H-8

CRAIG
 114.5 CRG
 Chan 92

NOTE: Do not exceed 280 KIAS
 until advised by ATC.
 NOTE: Radar and DME required.
 NOTE: For Turbojets only.
 NOTE: Transponder code will be issued
 via Charlotte Clearance Delivery.

TAKEOFF MINIMUMS:
 Rwy 5, 23: Standard.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

PANTHER ONE DEPARTURE

▼

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb heading 053°. Thence....

TAKEOFF RUNWAY 23: Climb heading 233°. Thence....

.... Expect radar vectors to intercept filed/assigned transition or enroute fix/navaid. Maintain 3000, expect filed altitude/flight level 10 minutes after departure.

ANDYS TRANSITION (PAN1.ANDYS): From over CLT VOR/DME via CLT R-196 to ANDYS.

COLUMBIA TRANSITION (PAN1.CAE): From over CLT VOR/DME via CLT R-180 and CAE R-014 to CAE VORTAC.

LILLS TRANSITION (PAN1.LILLS): From over CLT VOR/DME via CLT R-112 to LILLS.

TAYLOR TRANSITION (PAN1.TAY): From over CLT VOR/DME via CLT R-196 to TREAL and CAE R-205 to DUNKN and TAY R-022 to TAY VORTAC.

TAKEOFF OBSTACLE NOTES:

Rwy 5: Trees beginning 150' from DER, 202' left of centerline, up to 100' AGL/799' MSL.
Vehicles on road and trees beginning 199' from DER, 259' right of centerline, up to 100' AGL/789' MSL.

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

WAAS CH 66002 W05A	APP CRS 053°	Rwy Idg TDZE Apt Elev	5500 679 679
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RNAV (GPS) RWY 5

CHARLOTTE-MONROE EXECUTIVE (EQY)

For inoperative MALSR, increase LPV all Cats visibility to 1, and LNAV Cat D to 1½. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (118°F). DME/DME RNP-0.3 NA. If local altimeter setting not received, use Charlotte altimeter setting and increase all DAs 56 feet/MDAs 60 feet. VDP and Baro-VNAV NA when using Charlotte altimeter setting.



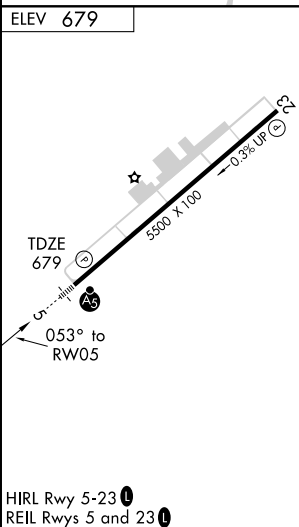
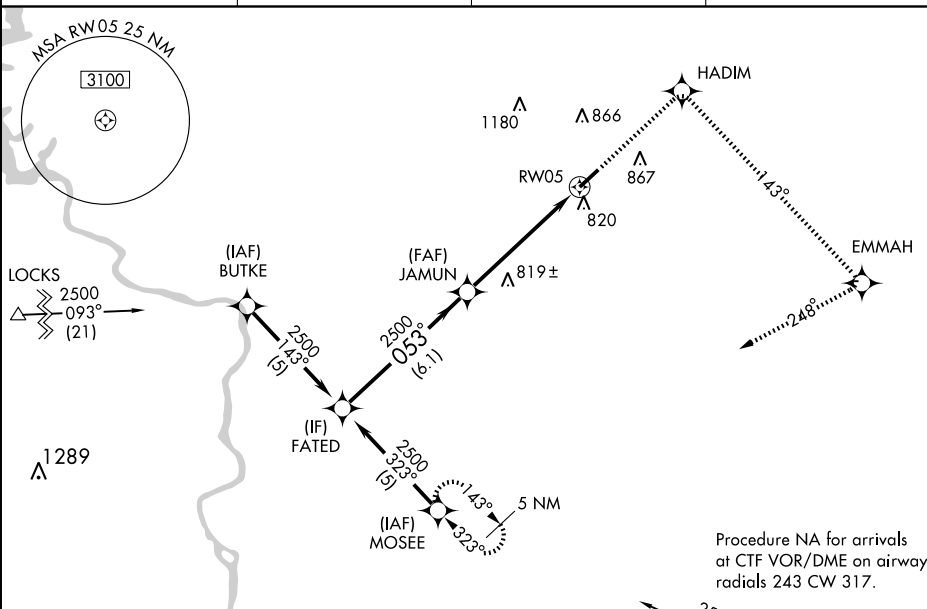
MISSED APPROACH: Climb to 2500 direct HADIM then via 143° track to EMMAH and right turn via 248° track to MOSEE and hold.

ASOS
135.775

CHARLOTTE APP CON
120.05 307.8

CLNC DEL
132.55

UNICOM
122.7 (CTAF)



Procedure Turn NA	2500 HADIM	143° TRK	EMMAH	248° TRK	MOSEE
FATED	JAMUN				
2500	053°				
GS 3.00° TCH 41	2500				
	6.1 NM	4.4 NM	1.1		
CATEGORY	A	B	C	D	
LPV DA	929-½ 250 (300-½)				
LNAV/VNAV DA	1080-1 401 (500-1)				
LNAV MDA	1080-½	401 (500-½)	1080-¾	401 (500-1)	1080-1
CIRCLING	1220-1	541 (600-1)	1220-1½	1240-2	561 (600-2)

APP CRS **233°**
Rwy Idg **5500**
TDZE **662**
Apt Elev **679**

RNAV (GPS) RWY 23

CHARLOTTE-MONROE EXECUTIVE (EQY)



DME/DME RNP-0.3 NA. If local altimeter setting not received, use Charlotte altimeter setting and increase all MDAs 60 feet. VDP NA when using Charlotte altimeter setting.

MISSED APPROACH: Climbing left turn to 3000 direct ZOPOC and hold.

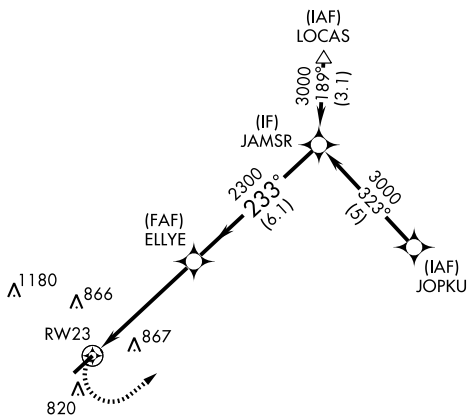
ASOS
135.775

CHARLOTTE APP CON
120.05 307.8

CLNC DEL
132.55

UNICOM
122.7 (CTAF) 0

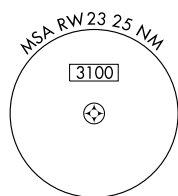
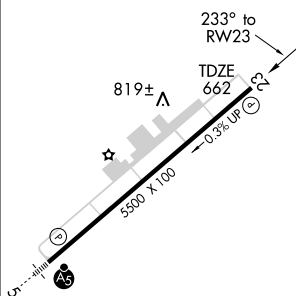
2041



Procedure NA for arrivals at HUSTN via V296 westbound.

HUSTN

ELEV 679




HIRL Rwy 5-23
REIL Rwy 5 and 23

MONROE, NORTH CAROLINA
Orig 09183

3000

ZOPOC



△

Procedure

Turn

NA

JAMSR

3000

ELLYE

2300

233°

1.2 NM to RW23

RW23

1.2

3.8 NM

6.1 NM

3.04°

TCH 40

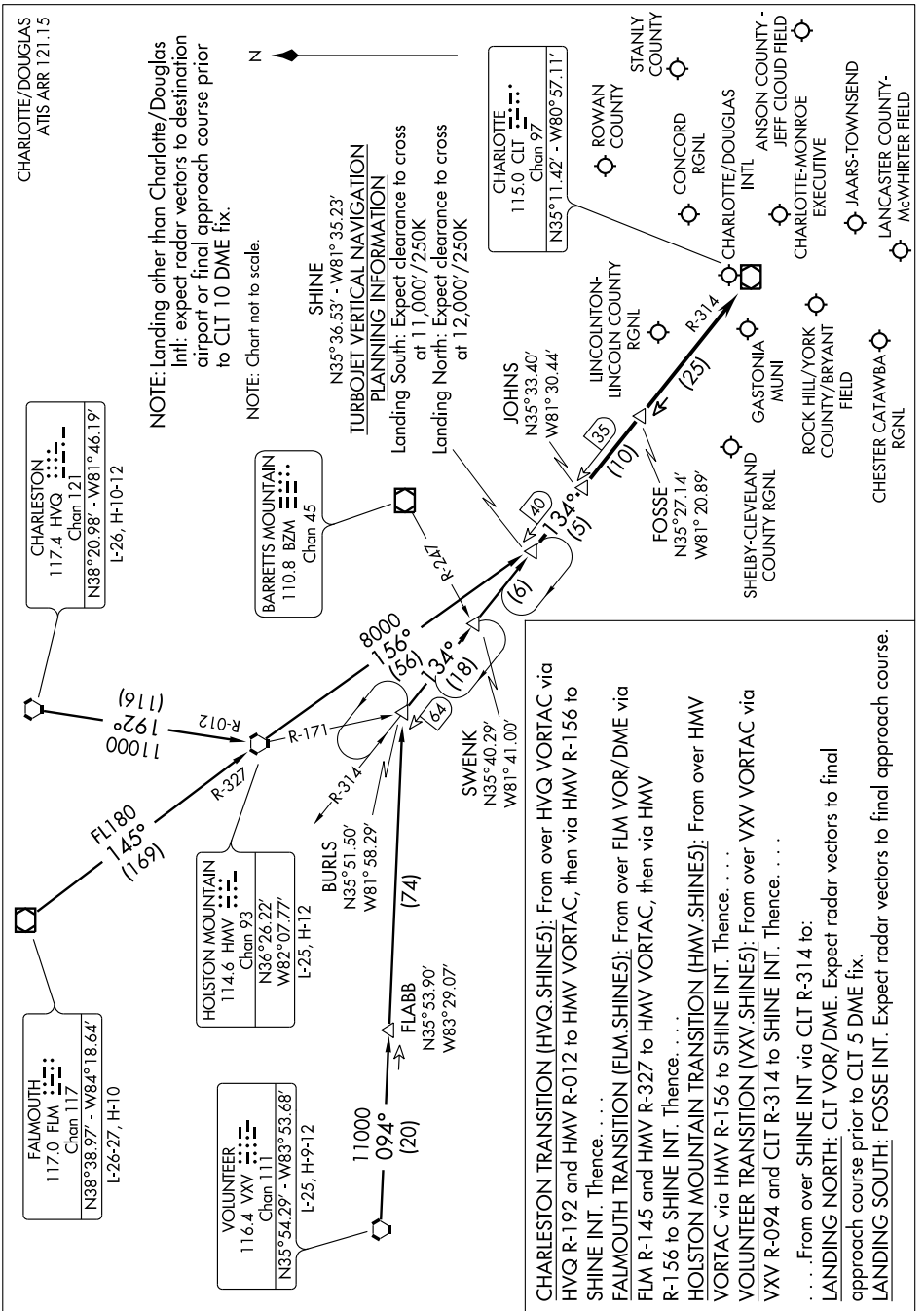
CATEGORY	A	B	C	D
LNNAV MDA	1080-1	418 (500-1)	1080-1¼	418 (500-1¼)
CIRCLING	1220-1	541 (600-1)	1220-1½	1240-2
			541 (600-1½)	561 (600-2)

35° 01' N-80° 37' W

CHARLOTTE-MONROE EXECUTIVE (EQY)
RNAV (GPS) RWY 23

SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA



SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA

UNARM ONE ARRIVAL

UNARM ONE ARRIVAL

CHARLOTTE/DOUGLAS
AITS ARR 121.15

SHELBY-CLEVELAND
COUNTY RGNL

LINCOLN-CLINTON
COUNTY RGNL

ROWAN COUNTY

STANLY
COUNTY

SPARTANBURG
115.7 SPA
Chan 104

GASTONIA MUNI

CHARLOTTE/
DOUGLAS
INTL

CHARLOTTE
115.0 CLT
Chan 97
N35°11.42' - W80°57.11'

NOTE: Landing other than Charlotte/Douglas
Intl: expect radar vectors to destination
airport or final approach course prior
to the CLT 10 DME fix.

NOTE: Chart not to scale.

TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
Landing South: Expect clearance to
cross at 12,000'/250K.
Landing North: Expect clearance to
cross at 11,000'/250K.

GREENWOOD
115.5 GRD
Chan 102
N34°15.09' - W82°09.25'

ATLANTA
116.9 ATL
Chan 116
N33°37.74' - W84°26.10'

ADENA
N34°43.98' - W81°32.57'

LANCASTER COUNTY-
McWHIRTER FIELD

JAARS-TOWNSEND

CHARLOTTE-MONROE
EXECUTIVE

ANSON
COUNTY -
JEFF CLOUD
FIELD

ROCK HILL/YORK
COUNTY/BRYANT
FIELD

CHESTER CATAWBA
RGNL

CHARLOTTE, NORTH CAROLINA

CHARLOTTE, NORTH CAROLINA

COLUMBIA
114.7 CAE
Chan 94

LUKES
N34°01.85' - W82°09.44'

TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
Expect clearance to cross at FL240

COLLIERS
113.9 IRQ
Chan 86
N33°42.44' - W82°09.72'
L-24, H-9-12

11000
005
11000

Expect clearance to cross at FL240

ATLANTA TRANSITION (ATLUNARM1): From over ATL VORTAC
via ATL R-071 and GRD R-254 to GRD VORTAC. Then via GRD
R-047 and CLT R-232 to UNARM INT. Thence. . . .
COLLIERS TRANSITION (IRQ.UNARM1): From over IRQ VORTAC
via IRQ R-005 and GRD R-182 to GRD VORTAC. Then via GRD
R-047 and CLT R-232 to UNARM INT. Thence. . . .
. . . . From over UNARM INT via CLT R-232 to:
LANDING NORTH: LOCKS INT. Expect radar vectors to final
approach course.
LANDING SOUTH: CLT VOR/DME. Expect radar vectors to
final approach course prior to CLT 5 DME fix.

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

MONROE

CHARLOTTE—MONROE EXECUTIVE (EQY) 5 NW UTC-5(-4DT) N35°01.13' W80°37.21'

CHARLOTTE

679 B S4 FUEL 100LL, JET A+ OX 3, 4 NOTAM FILE EQY
RWY 05-23: H5500X100 (ASPH) S-25 D-38 HIRL 0.3% up SW

H-9B, 12G, L-25D, 36E
IAP

RWY 05: MALS. REIL. PAPI(P2L)—GA 3.0° TCH 41'.

RWY 23: REIL. PAPI(P2L)—GA 3.0° TCH 44. Road.

AIRPORT REMARKS: Attended 1100-0300Z†. For after hr svc, phone 704-289-2615 or 704-320-6256. 24 hr self svc fuel, avbl for all fuel types with credit card. Deer, wildlife, and birds on and invof arpt. Unlighted construction crane located less than 1/4 mile southeast of Rwy 05-23. Arpt phone number 704-226-2300. ACTIVATE HIRL Rwy 05-23, MALS. REIL Rwy 05—CTAF. REIL Rws 05 and 23 opr dusk-0500Z†. After 0500Z†, ACTIVATE—CTAF.

WEATHER DATA SOURCES: ASOS 135.775 (704) 283-5185.

COMMUNICATIONS: CTAF/UNICOM 122.7

Ⓡ **CHARLOTTE APP/DEP CON** 120.05 **CLINC DEL** 132.55

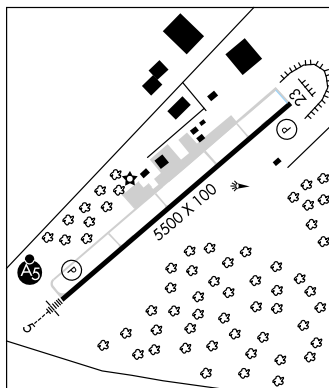
RADIO AIDS TO NAVIGATION: NOTAM FILE CLT.

CHARLOTTE (L) VORW/DME 115.0 CLT Chan 97 N35°11.42' W80°57.11' 127° 19.3 NM to fld. 732/05W. **HIWAS.**

FORT MILL (L) VORTAC 112.4 FML Chan 71 N34°59.35' W80°57.27' 086° 16.6 NM to fld. 645/02W. NOTAM FILE AND. SHUTDOWN.

WESLEY NDB (MHW) 204 TWL N34°57.18' W80°42.31' 052° 5.8 NM to fld. NOTAM FILE EQY. NDB unmonitored 2200-1300Z†.

ILS 109.75 I-EQY Rwy 05. Class IA. LOC unmonitored 2200-1300Z†. Coupled apch not authorized blo 1120'.



MONTGOMERY CO (See STAR)

MOORE CO (See PINEHURST/SOUTHERN PINES)

MOORESVILLE

LAKE NORMAN AIRPARK (14A) 5 NW UTC-5(-4DT) N35°36.83' W80°53.97'

CHARLOTTE

839 B S4 FUEL 100LL NOTAM FILE RDU

L-25D, 36E

RWY 14-32: H3147X40 (ASPH) S-8 MIRL 1.0% up SE

RWY 14: PVASI(PSIR)—GA 4.0° TCH 15'. Trees. Thld dsplcd 185'.

RWY 32: PVASI(PSIR)—GA 4.0° TCH 5'. Road.

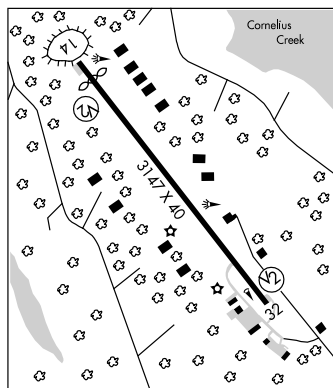
AIRPORT REMARKS: Attended 1300-2300Z†. Dep Rwy 14 heading 160° to avoid school. Full acft maintenance avbl ctc 704-662-6986. VFR operations only. Rwy 14 has uphill grade. Acft taxiing on grass in vicinity of residential airpark hanger access. Rwy numbers NSTD. Rwy 14 small numbers. Rwy 32 has 10' drop off 5' fm left side of pavement and acft parked 200' fm end of Rwy 100' right of centerline. Noise sensitive area. Avoid departures between 0400 and 1100Z†. ACTIVATE MIRL Rwy 14-32—CTAF. PVASI opr dusk-dawn.

COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ **CHARLOTTE APP/DEP CON** 134.75

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

CHARLOTTE (L) VORW/DME 115.0 CLT Chan 97 N35°11.42' W80°57.11' 11° 25.5 NM to fld. 732/05W. **HIWAS.**



MOREHEAD N34°43.87' W76°39.73' NOTAM FILE MRH.

CHARLOTTE

NDB (MHW) 269 MRH at Michael J. Smith Fld. NDB unmonitored.

L-33E

APP CRS 144°	Rwy Idg TDZE Apt Elev	2962 839 839
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RNAV (GPS) RWY 14

MOORESVILLE/ LAKE NORMAN AIRPARK (14A)

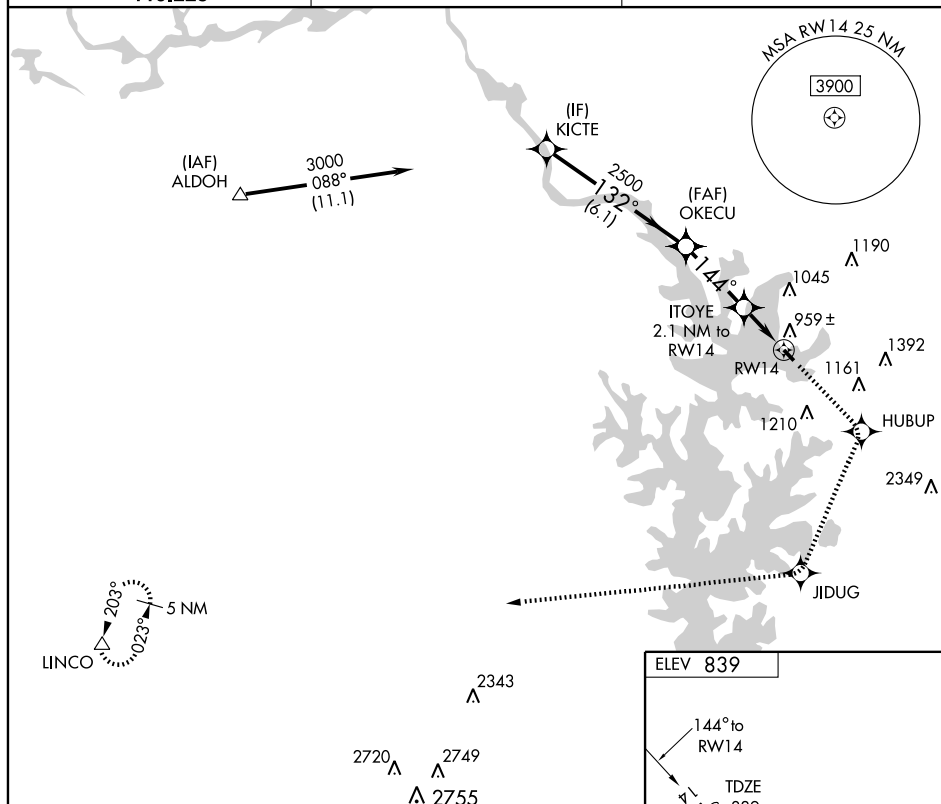
V Use Statesville altimeter setting; if not received, use Charlotte altimeter setting and increase all MDAs 40 feet. DME/DME RNP-0.3 NA.
Δ NA Visibility reduction by helicopters NA. Circling to Rwy 32 NA at night.

MISSED APPROACH: Climb to 4000 direct HUBUP and via 210° track to JIDUG and 271° track to LINCO and hold.

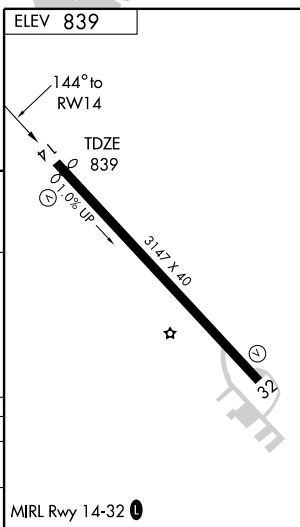
STATESVILLE RGNL
AWOS-3
119.225

CHARLOTTE APP CON
134.75 257.2

UNICOM
122.8 (CTAF) 0



	KICTE	4000	HUBUP	JIDUG	LINCO
		↑	↑	↑	Δ
			210° TRK	271° TRK	
Procedure Turn NA	3000	OKECU	ITOYE 2.1 NM to RW14	VGSIs and descent angles not coincident.	
	132°	2500	144°	1420	RW14
		3.04° TCH 40			
	6.1 NM	3 NM	2.1 NM		
CATEGORY	A	B	C	D	
RNAV MDA	1260-1	421 (500-1)	NA		
CIRCLING	1320-1	481 (500-1)	NA		



MORGANTON

FOOTHILLS RGNL (MRN) 6 NE UTC-5(-4DT) N35°49.21' W81°36.68'

1270 B S5 FUEL 100LL, JET A1+ OX 1, 4 NOTAM FILE MRN

RWY 03-21: H5500X75 (ASPH) D-60 MRL 0.7% up NE

RWY 03: REIL. PAPI(P4L)—GA 3.0° TCH 66'.

RWY 21: REIL. PAPI(P4R)—GA 3.5° TCH 50'. Trees.

AIRPORT REMARKS: Attended Mon-Sat 1300Z±-SS, Sun 1400Z±-SS.

After hrs fuel or svc call 828-757-0099. Glider activity dalgt hrs.

Deer and coyote on and invof arpt. Rwy 03, 100' dropoff 330' from thld and 80' both sides of centerline along first 1000' of rwy.

Rwy 21, 30' dropoff 400' from thld both sides and 10' dropoff 50' from thld and 150' right of centerline. ACTIVATE MRL Rwy 03-21,

REIL Rwy 03 and Rwy 21 and PAPI Rwy 03 and Rwy 21-CTAF.

WEATHER DATA SOURCES: AWOS-3 124.175 (828) 757-0788.

COMMUNICATIONS: CTAF/UNICOM 122.7

Ⓡ ATLANTA CENTER APP/DEP CON 125.15

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

BARRETT'S MOUNTAIN (L) VOR/DME 110.8 BZM Chan

45 N35°52.13' W81°14.43' 267° 18.3 NM to fld.

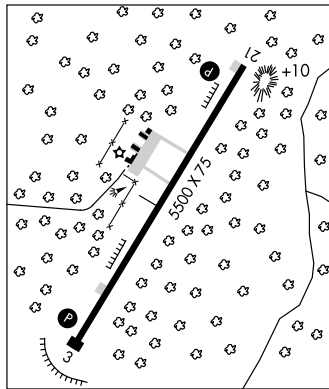
1880/06W.

FIDDLERS NDB (MHW) 391 FIQ N35°42.61' W81°40.28'

031° 7.2 NM to fld. NDB unusable byd 20 NM. NDB located

41,900' from threshold Rwy 03 and 400' SE of extended centerline.

ILS 111.1 I-MRN Rwy 03. Localizer only.



MOUNT AIRY/SURRY CO (MWK) 3 SE UTC-5(-4DT) N36°27.58' W80°33.18'

1249 B S2 FUEL 100LL, JET A1+ NOTAM FILE MWK

RWY 18-36: H4301X75 (ASPH) S-10 MRL 0.9% up N

RWY 18: PAPI(P2L)—GA 4.0° TCH 27'. Thld dsplcd 490'. Trees.

RWY 36: PAPI(P2L)—GA 3.0° TCH 26'. Trees.

AIRPORT REMARKS: Attended 1300Z±-dark. After hr svc avbl/posted on door. CAUTION—Trees elevation 1235 ft located 150 ft S and 100 ft E of threshold Rwy 36. Rwy 36-50 ft drop-off 300 ft from thld and 150 ft right and left of centerline. Rwy 18-36 opr dusk-0330Z±; after 0330Z± ACTIVATE—CTAF. ACTIVATE PAPI Rws 18 and 36 and REIL Rwy 36—CTAF.

WEATHER DATA SOURCES: AWOS-3 121.125 (336) 789-2299.

COMMUNICATIONS: CTAF/UNICOM 123.0

Ⓡ GREENSBORO APP/DEP CON 124.35

RADIO AIDS TO NAVIGATION: NOTAM FILE GSO.

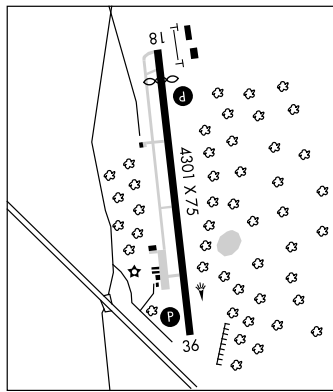
GREENSBORO (H) VORTAC 116.2 GSO Chan 109 N36°02.74' W79°58.58' 315° 37.4 NM to fld. 879/03W. HIWAS.

NDB (MHW) 223 AZW N36°22.86' W80°32.41' 360° 4.8 NM to fld. NOTAM FILE MWK. Unmonitored 2300-1200Z±.

CINCINNATI

L-261

IAP



LOC I-MRN	APP CRS	Rwy Idg	5500
111.1	029°	TDZE	1248
		Apt Elev	1270

LOC RWY 3

MORGANTON/FOOTHILLS RGNL (MRN)

ADF REQUIRED

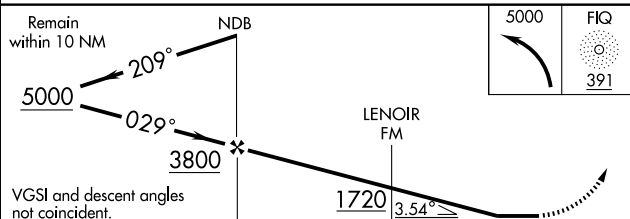
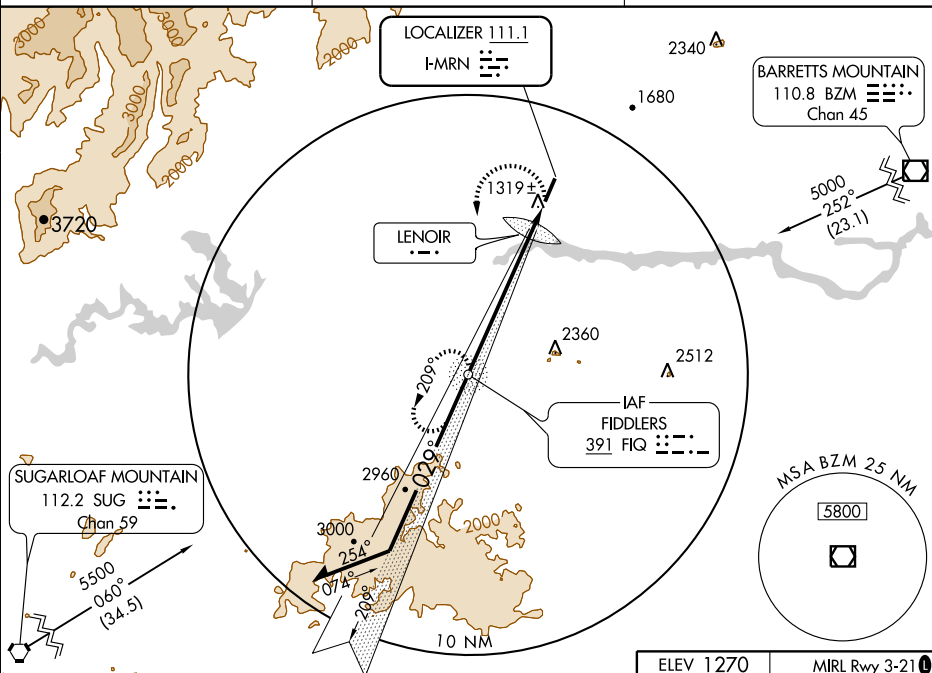
NA

MISSED APPROACH: Climbing left turn to 5000 direct
FIQ NDB and hold.

AWOS-3
124.175

ATLANTA CENTER
125.15 263.0

UNICOM
122.7 (CTAF) 0

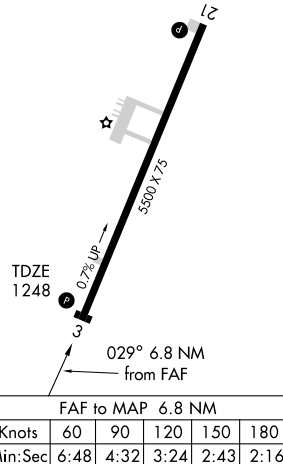


CATEGORY	A	B	C	D
S-3	1720-1	472 (500-1)	1720-1¼ 472 (500-1¼)	1720-1½ 472 (500-1½)
CIRCLING	1720-1 450 (500-1)	1740-1 470 (500-1)	1740-1½ 470 (500-1½)	1820-2 550 (600-2)
FM MINIMUMS				
S-3	1580-1	332 (400-1)		
CIRCLING	1700-1 430 (500-1)	1740-1 470 (500-1)	1740-1½ 470 (500-1½)	1820-2 550 (600-2)

ELEV 1270

MRL Rwy 3-21 0

REL Rwy 3 and 21 0



Knots	60	90	120	150	180
Min:Sec	6:48	4:32	3:24	2:43	2:16

APP CRS
031°

Rwy ldg
TDZE
1248

Apt Elev
1270

RNAV (GPS) RWY 3

MORGANTON/FOOTHILLS RGNL (MR.N)

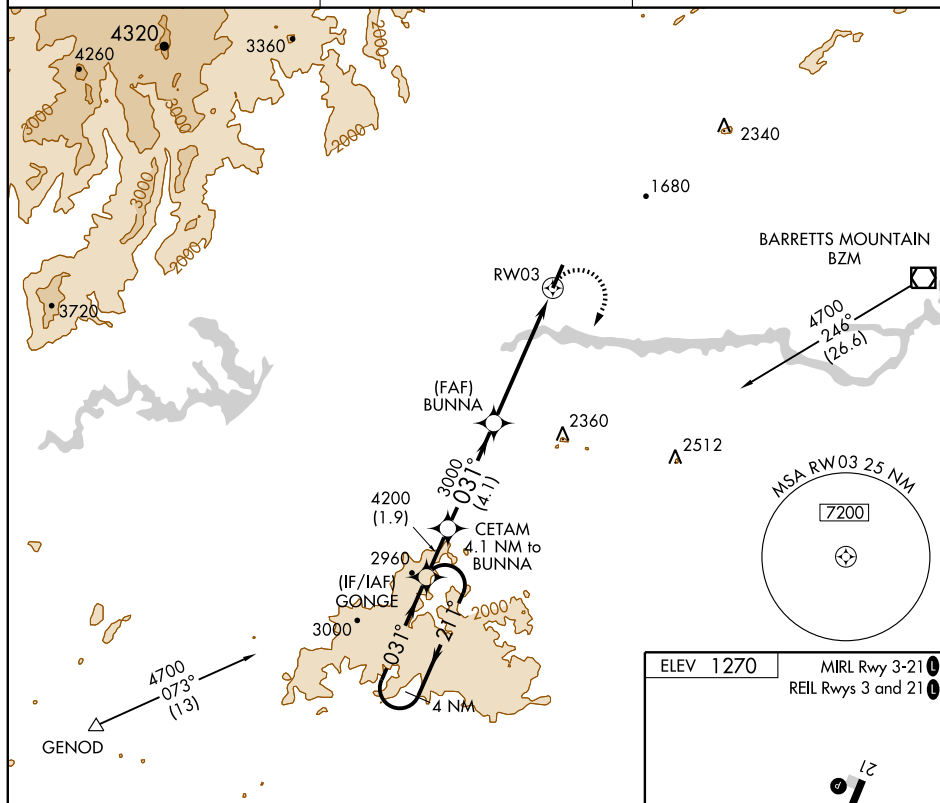
▼ DME/DME RNP-0.3 NA. Circling to Rwy 21 NA at night.
▲ If local altimeter setting not received, use Hickory Rgnl altimeter setting and increase all MDAs 40 feet.

MISSED APPROACH: Climbing right turn to 4700 direct GONGE and hold.

AWOS-3
124.175

ATLANTA CENTER
125.15 263.0

UNICOM
122.7 (CTAF) 0



ELEV **1270**

MIRL Rwy 3-21
REIL Rwy 3 and 21

4 NM
Holding Pattern

GONGE

4700 ← 211°
031° →

VGSI and descent
angles not coincident.

CETAM
4.1 NM to
BUNNA

BUNNA

4200

031°

3000

3.05°

TCH 66

1.3 NM to
RW03

4700

GONGE

4 NM

4.1 NM

1.3 NM

← 1.9 NM →

← 4.1 NM →

← 4 NM →

← 1.3 NM →

CATEGORY

A

B

C

D

RNAV MDA

1700-1

452 (500-1)

1700-1½

452 (500-1½)

1700-1½

452 (500-1½)

CIRCLING

1720-1

450 (500-1)

1740-1

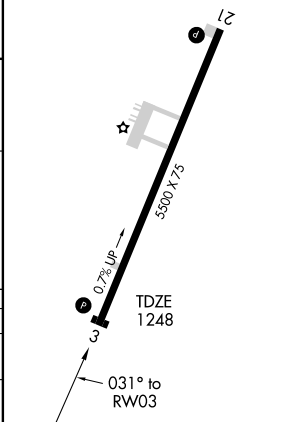
470 (500-1)

1740-1½

470 (500-1½)

1820-2

550 (600-2)



APP CRS	Rwy Idg	5500
211°	TDZE	1268
	Apt Elev	1270

RNAV (GPS) RWY 21

MORGANTON/FOOTHILLS RGNL (MR.N)



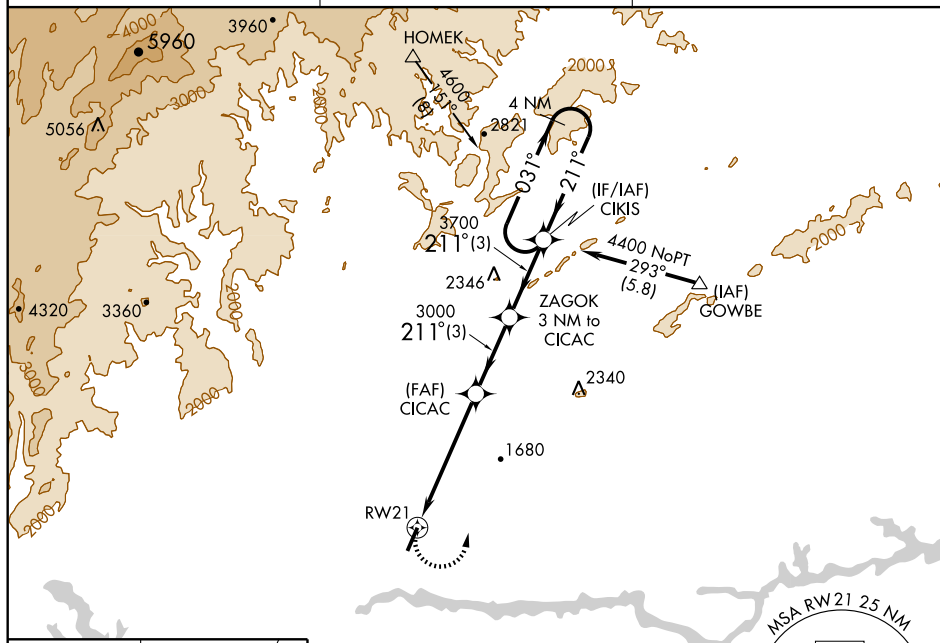
If local altimeter setting not received, use Hickory Rgnl altimeter setting and increase all MDAs 40 feet. VDP NA with Hickory Rgnl altimeter setting. DME/DME RNP-0.3 NA. Straight-in minimums NA at night. Circling to Rwy 21 NA at night.

MISSED APPROACH: Climbing left turn to 4400 direct CIKIS and hold.

AWOS-3
124.175

ATLANTA CENTER
125.15 263.0

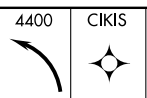
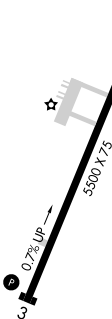
UNICOM
122.7 (CTAF) 0



ELEV 1270

211° to RWY 21

TDZE 1268



4400 CIKIS

1.5 NM to RWY 21

3.05° TCH 50

1.5 NM 3.7 NM

CICAC 3 NM to ZAGOK

3000

3 NM

3 NM

CIKIS 4 NM Holding Pattern

031° 211°

4400

3700

VGSI and descent angles not coincident.

CATEGORY	A	B	C	D
LNAV MDA	1800-1	532 (600-1)	1800-1½ 532 (600-1½)	1800-1¾ 532 (600-1¾)
CIRCLING	1800-1	530 (600-1)	1800-1½ 530 (600-1½)	1820-2 550 (600-2)

MORGANTON**FOOTHILLS RGNL** (MRN) 6 NE UTC-5(-4DT) N35°49.21' W81°36.68'

1270 B S5 FUEL 100LL, JET A1+ OX 1, 4 NOTAM FILE MRN

RWY 03-21: H5500X75 (ASPH) D-60 MRL 0.7% up NE

RWY 03: REIL. PAPI(P4L)—GA 3.0° TCH 66'.

RWY 21: REIL. PAPI(P4R)—GA 3.5° TCH 50'. Trees.

AIRPORT REMARKS: Attended Mon-Sat 1300Z±-SS, Sun 1400Z±-SS.

After hrs fuel or svc call 828-757-0099. Glider activity dalgt hrs.

Deer and coyote on and invof arpt. Rwy 03, 100' dropoff 330' from thld and 80' both sides of centerline along first 1000' of rwy.

Rwy 21, 30' dropoff 400' from thld both sides and 10' dropoff 50' from thld and 150' right of centerline. ACTIVATE MRL Rwy 03-21,

REIL Rwy 03 and Rwy 21 and PAPI Rwy 03 and Rwy 21-CTAF.

WEATHER DATA SOURCES: AWOS-3 124.175 (828) 757-0788.**COMMUNICATIONS:** CTAF/UNICOM 122.7

Ⓡ ATLANTA CENTER APP/DEP CON 125.15

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.**BARRETT'S MOUNTAIN (L) VOR/DME** 110.8 BZM Chan

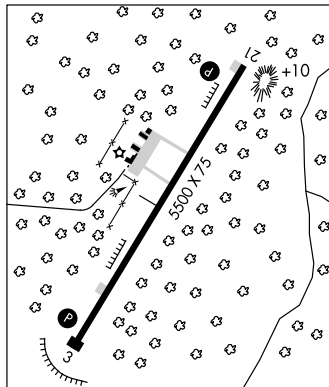
45 N35°52.13' W81°14.43' 267° 18.3 NM to fld.

1880/06W.

FIDDLERS NDB (MHW) 391 FIQ N35°42.61' W81°40.28'

031° 7.2 NM to fld. NDB unusable byd 20 NM. NDB located

41,900' from threshold Rwy 03 and 400' SE of extended centerline.

ILS 111.1 I-MRN Rwy 03. Localizer only.

CHARLOTTE

H-9B, 12G, L-25C

IAP

MOUNT AIRY/SURRY CO (MWK) 3 SE UTC-5(-4DT) N36°27.58' W80°33.18'

1249 B S2 FUEL 100LL, JET A1+ NOTAM FILE MWK

RWY 18-36: H4301X75 (ASPH) S-10 MRL 0.9% up N

RWY 18: PAPI(P2L)—GA 4.0° TCH 27'. Thld dsplcd 490'. Trees.

RWY 36: PAPI(P2L)—GA 3.0° TCH 26'. Trees.

AIRPORT REMARKS: Attended 1300Z±-dark. After hr svc avbl/posted on door. CAUTION—Trees elevation 1235 ft located 150 ft S and 100 ft E of threshold Rwy 36. Rwy 36-50 ft drop-off 300 ft from thld and 150 ft right and left of centerline. Rwy 18-36 opr dusk-0330Z±; after 0330Z± ACTIVATE—CTAF. ACTIVATE PAPI Rws 18 and 36 and REIL Rwy 36—CTAF.

WEATHER DATA SOURCES: AWOS-3 121.125 (336) 789-2299.**COMMUNICATIONS:** CTAF/UNICOM 123.0

Ⓡ GREENSBORO APP/DEP CON 124.35

RADIO AIDS TO NAVIGATION: NOTAM FILE GSO.**GREENSBORO (H) VORTAC** 116.2 GSO Chan 109 N36°02.74'

W79°58.58' 315° 37.4 NM to fld. 879/03W. HIWAS.

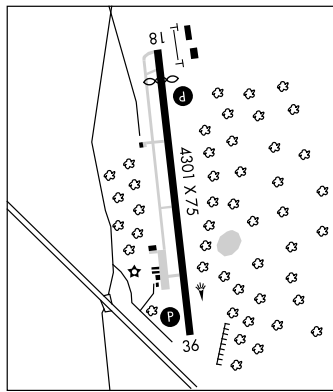
NDB (MHW) 223 AZW N36°22.86' W80°32.41' 360° 4.8

NM to fld. NOTAM FILE MWK. Unmonitored 2300-1200Z±.

CINCINNATI

L-261

IAP



NDB AZW	APP CRS	Rwy Idg	4301
<u>223</u>	359°	TDZE	1208
		Apt Elev	1247

NDB RWY 36

MOUNT AIRY/ SURRY COUNTY (MWK)

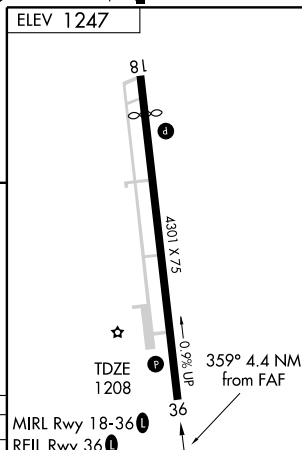
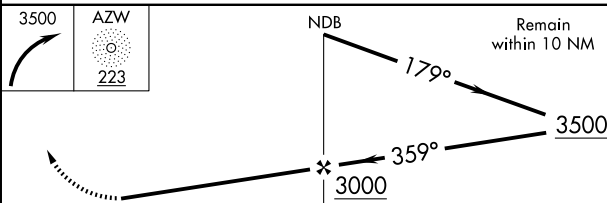
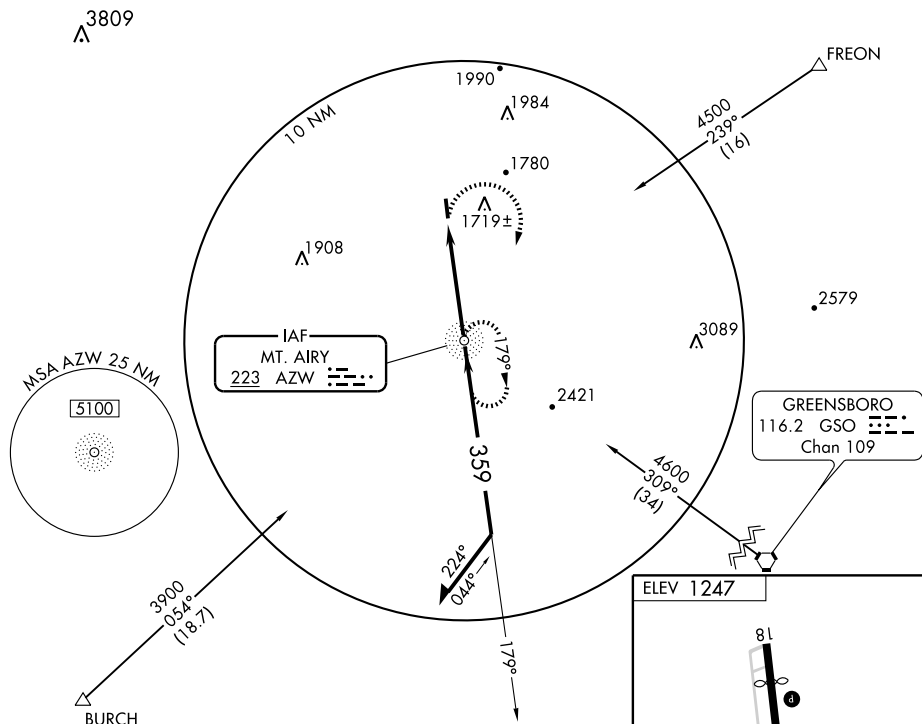


Circling not authorized East of Rwy 18-36.

MISSED APPROACH: Climbing right turn to 3500 direct AZW NDB and hold.

AWOS-3
121.125

GREENSBORO APP CON
124.35 269.225

UNICOM
123.0 (CTAF) **L**

	4.4 NM			
CATEGORY	A	B	C	D
S-36	2000-1	2000-1¼	2000-2¼	2000-2½
	792 (800-1)	792 (800-1¼)	792 (800-2¼)	792 (800-2½)
CIRCLING	2020-1	2020-1¼	2020-2¼	2020-2½
	773 (800-1)	773 (800-1¼)	773 (800-2¼)	773 (800-2½)

FAF to MAP 4.4 NM					
Knots	60	90	120	150	180
Min:Sec	4:24	2:56	2:12	1:46	1:28

WAAS Ch 58317 W18A	APP CRS 180°	Rwy Idg 3811 TDZE 1241 Apt Elev 1249
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RNAV (GPS) RWY 18


MOUNT AIRY/ SURRY COUNTY (MWK)

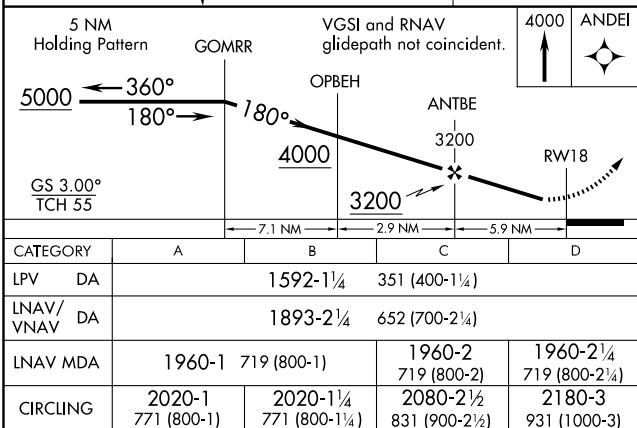
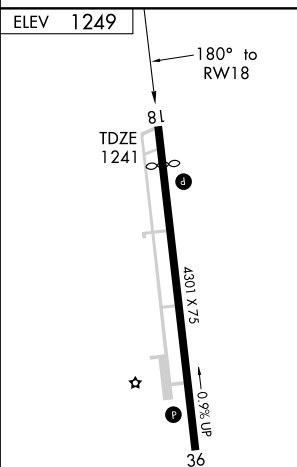
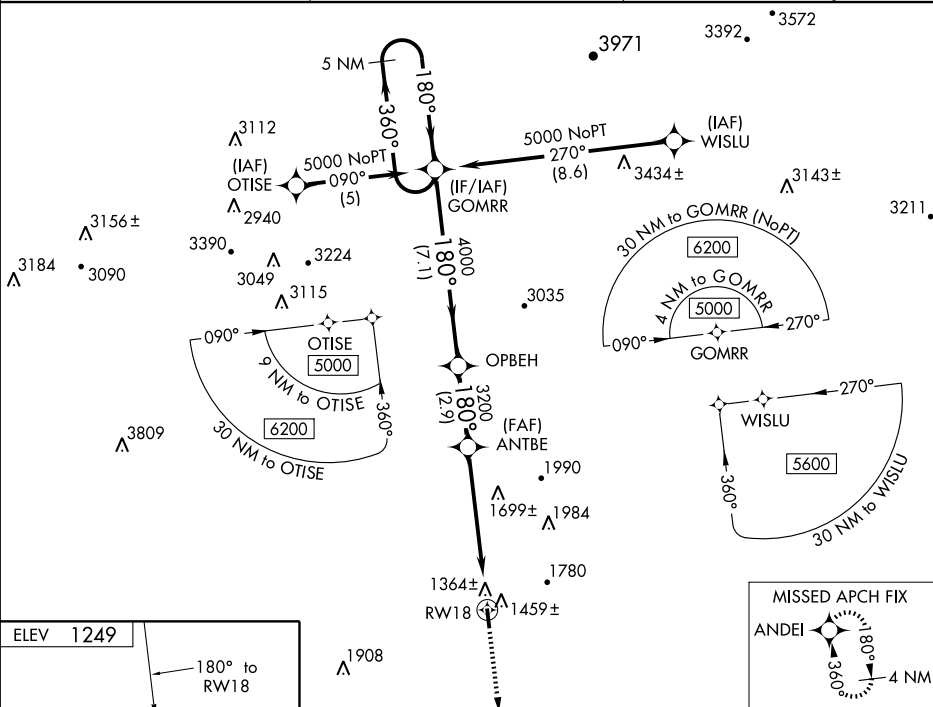
▼ When VGSI inop, procedure NA at night. Baro-VNAV NA when using Wilkes County altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received use Wilkes County altimeter setting and increase all DA 77 feet and all MDA 80 feet and increase LPV and LNAV/VNAV all Cats visibility ¼ mile, LNAV Cats B/C/D visibility ¼ mile, and Circling Cat C ¼ mile.

MISSED APPROACH:
Climb to 4000 direct
ANDEI and hold.

AWOS-3
121.125

GREENSBORO APP CON
124.35 269.225

UNICOM
123.0 (CTAF) 



MOUNT AIRY, NORTH CAROLINA
Orig 03JUN10

36°28'N-80°33'W

MOUNT AIRY/ SURRY COUNTY (MWK)
RNAV (GPS) RWY 18


SE-2, 21 OCT 2010 to 18 NOV 2010

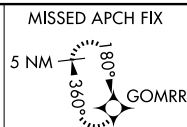
SE-2. 21 OCT 2010 to 18 NOV 2010

RNAV (GPS) RWY 36

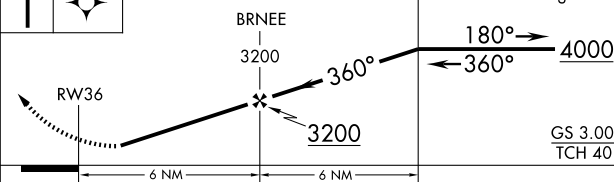
MOUNT AIRY/ SURRY COUNTY (MWK)

MISSED APPROACH:
Climb to 5000 direct
GOMRR and hold.

UNICOM
123.0 (CTAF) 



4 NM
Holding Pattern



CATEGORY	A	B	C	D
LPV DA	1533-1¼		305 (300-1¼)	
LNAV/VNAV DA	1810-2¼		582 (600-2¼)	
LNAV MDA	1920-1 692 (700-1)		1920-2 692 (700-2)	1920-2¼ 692 (700-2¼)
CIRCLING	2020-1 771 (800-1)	2020-1¼ 771 (800-1¼)	2080-2½ 831 (900-2½)	2180-3 931 (1000-3)

MOUNT AIRY/ SURRY COUNTY (MWK)
RNAV (GPS) RWY 36

SE-2. 21 OCT 2010 to 18 NOV 2010

MT OLIVE MUNI (W40) 3 NE UTC-5(-4DT) N35°13.29' W78°02.32'

168 B S4 FUEL 100LL OX 1,2 NOTAM FILE RDU

RWY 05-23: H5255X75 (ASPH) S-20 MIRL

RWY 05: PAPI(P2L)—GA 3.5° TCH 40'. Trees.

RWY 23: PAPI(P2L)—GA 3.0° TCH 34'. Thld dsplcd 254'. Crops.

AIRPORT REMARKS: Attended 1300-2300Z±. CLOSED on major holidays, for svc after hrs call 252-234-7778. 24 hr self svc with credit card. -5' drainage ditch 100' left of centerline of Rwy 05. Low level military activity near arpt. For collision avoidance ctc Seymour AFB 119.7. ACTIVATE and incr ints MIRL Rwy 05-23 and PAPI Rwy 05 and Rwy 23.

COMMUNICATIONS: CTAF/UNICOM 122.8

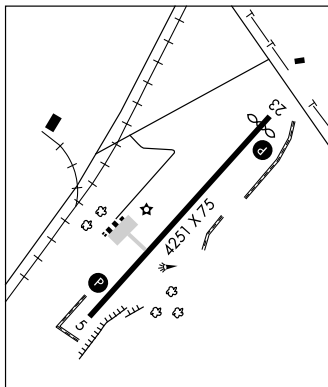
(R) SEYMOUR JOHNSON APP/DEP CON 119.7 (1200-0430Z±)

WASHINGTON CENTER APP/DEP CON 135.5 (0430-1200Z±)

RADIO AIDS TO NAVIGATION: NOTAM FILE ISO.

KINSTON (L) VORTAC 109.6 ISO Chan 33 N35°22.26'

W77°33.50' 254° 25.2 NM to fld. 106/05W.



CHARLOTTE

H-9C, L-35B, 36F

IAP

NEW BERN N35°04.39' W77°02.70' NOTAM FILE EWN.

(L) VOR/DME 113.6 EWN Chan 83 at Coastal Carolina Rgnl. 10/08W.

VOR portion unusable 120°-160°. DME portion unusable 065°-330° byd 30 NM bto 3000'.

RCO 122.4 122.2 (RALEIGH RADIO) **RCO** 122.1R 113.6T (RALEIGH RADIO)

CHARLOTTE

L-35B

NEW BERN

COASTAL CAROLINA RGNL (EWN) 3 SE UTC-5(-4DT) N35°04.38' W77°02.58'

18 B S4 FUEL 100LL, JET A Class I, ARFF Index A NOTAM FILE EWN

RWY 04-22: H6004X150 (ASPH-GRVD) S-30, D-62, 2D-140 HIRL

RWY 04: REIL. PAPI(P4L). **RWY 22:** REIL. PAPI(P4L). Trees.

RWY 14-32: H4000X150 (ASPH) S-28, D-45 MIRL

RWY 14: REIL. PAPI(P2L). Trees.

RWY 32: REIL. PAPI(P2L). Tree.

AIRPORT REMARKS: Attended 1000-0430Z±. CLOSED to unscheduled air carrier opr with more than 30 passenger seats except 24 hr PPR call arpt manager 252-638-8591. Rwy 14 PAPI OTS indef. ACTIVATE HIRL Rwy 04-22, REIL Rwy 04 and Rwy 22, MIRL Rwy 14-32 and REIL Rwy 14 and Rwy 32—CTAF. PAPI Rwy 04, 22, 14 and 32 opr 24 hrs.

WEATHER DATA SOURCES: ASOS 118.525 (252) 514-2086.

COMMUNICATIONS: CTAF 124.25

RCO 122.4 122.2 (RALEIGH RADIO)

RCO 122.1R 113.6T (RALEIGH RADIO)

(R) CHERRY POINT APP/DEP CON 119.35 **CLNC DEL** 120.525 (0300-1100Z±)

NEW BERN TOWER 124.25 (1100-0300Z±)

GND CON 121.7 **CLNC DEL** 121.7

AIRSPACE: CLASS D svc 1100-0300Z± other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE EWN.

NEW BERN (L) VOR/DME 113.6 EWN Chan 83 N35°04.39' W77°02.70' at fld. 10/08W.

KATFI NDB (LOM) 362 EW N35°01.29' W77°04.77' 038° 3.6 NM to fld.

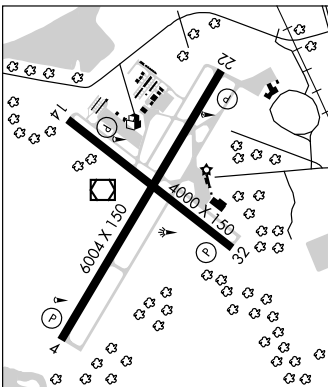
ILS 110.5 I-EWN Rwy 04. LOM KATFI NDB.

ASR (Mon-Fri 1100-0500Z±, Sat 1300-2100Z±, Sun 2000-0400Z±)

CHARLOTTE

H-9C, L-35B

IAP, AD



VORTAC ISO 109.6 Chan 33	APP CRS 255°	Rwy Idg TDZE Apt Elev	N/A N/A 168
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VOR or GPS-A

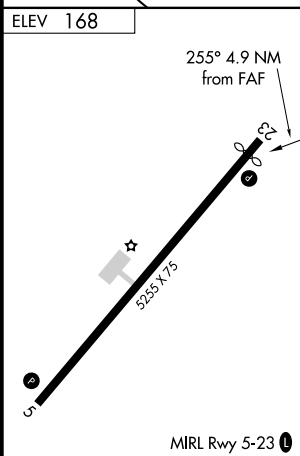
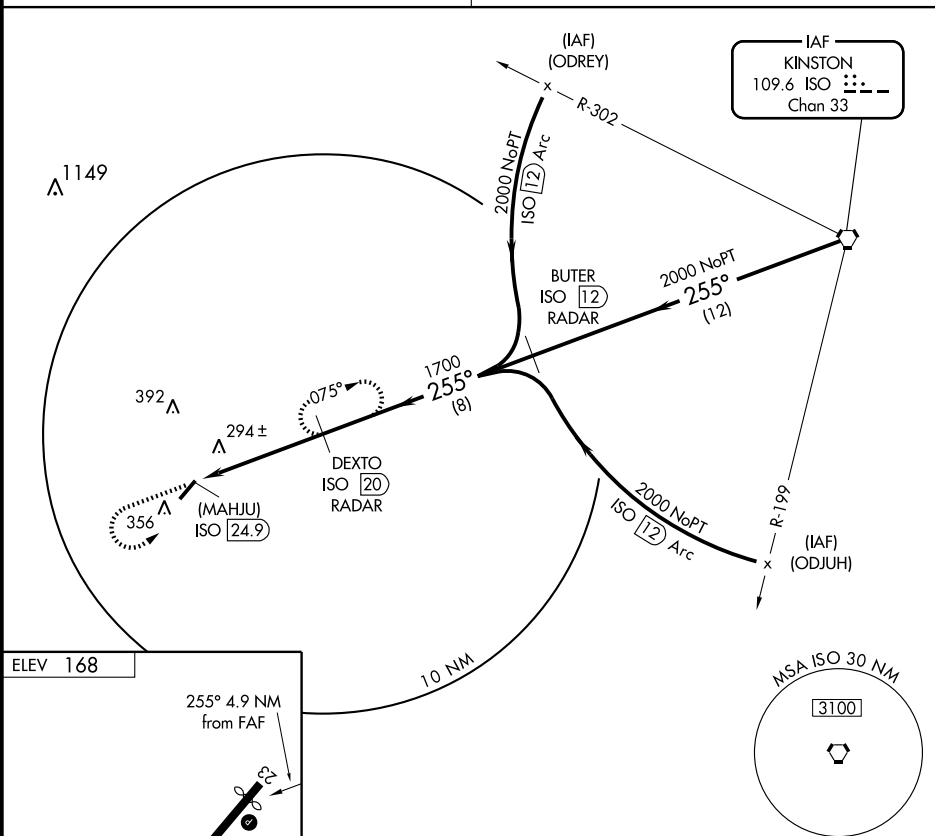
MOUNT OLIVE MUNI (W40)

V Use Seymour Johnson AFB altimeter setting.
NA RADAR OR DME REQUIRED

MISSED APPROACH: Climb to 1200 then climbing left turn to 1700 via ISO R-255 to DEXTO/20 DME and hold.

SEYMOUR JOHNSON APP CON ★
119.7 273.6

UNICOM
122.8 (CTAF) **0**



1200 ↑	1700 ISO R-255	DEXTO ISO 20	Procedure Turn NA		
		DEXTO ISO 20 RADAR	BUTER ISO 12 RADAR	VORTAC	
(MAHJU) ISO 24.9		1700	2000	255°	3000
4.9 NM		8 NM		12 NM	
CATEGORY	A	B	C	D	
CIRCLING	700-1 532 (600-1)	700-1¼ 532 (600-1¼)	700-1½ 532 (600-1½)	NA	

10210

AIRPORT DIAGRAM

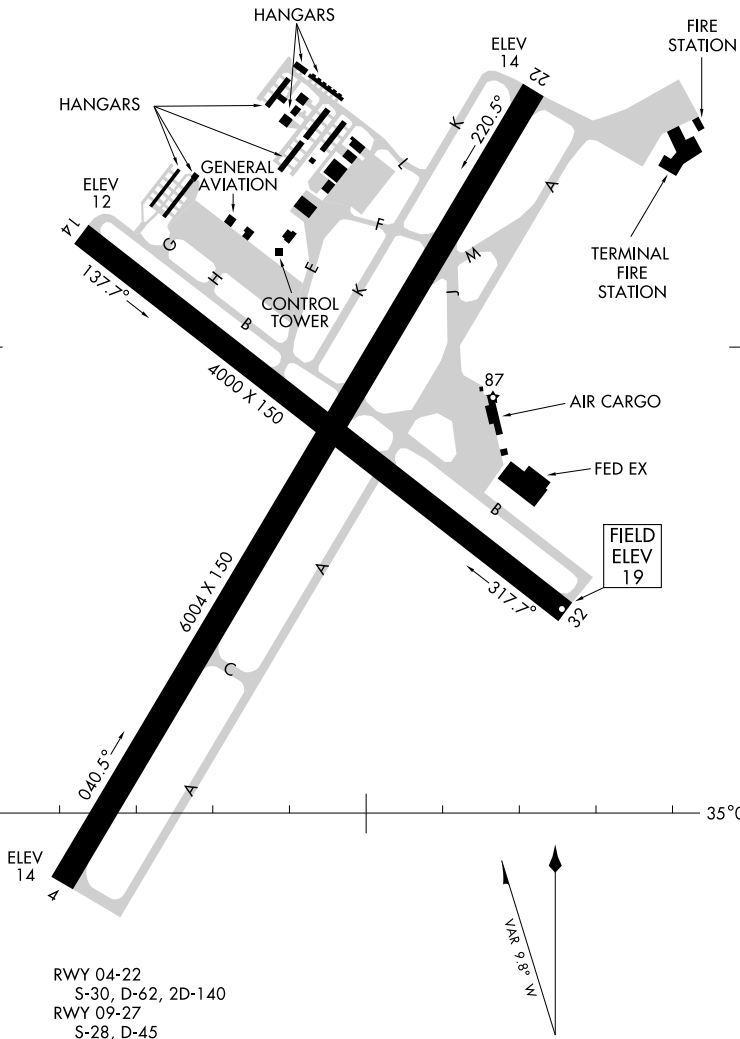
NEW BERN/COASTAL CAROLINA RGNL (E'WN)

AL-670 (FAA)

NEW BERN, NORTH CAROLINA

ASOS
118.525
NEW BERN TOWER ★
124.25
GND CON
121.7
CLNC DEL
121.7

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.



ELEV 14

RWY 04-22
S-30, D-62, 2D-140
RWY 09-27
S-28, D-45

77°03'W

77°02'W

AIRPORT DIAGRAM

NEW BERN, NORTH CAROLINA

NEW BERN/COASTAL CAROLINA RGNL (E'WN)

10210

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

MT OLIVE MUNI (W40) 3 NE UTC-5(-4DT) N35°13.29' W78°02.32'

168 B S4 FUEL 100LL OX 1,2 NOTAM FILE RDU

RWY 05-23: H5255X75 (ASPH) S-20 MIRL

RWY 05: PAPI(P2L)—GA 3.5° TCH 40'. Trees.

RWY 23: PAPI(P2L)—GA 3.0° TCH 34'. Thld dsplcd 254'. Crops.

AIRPORT REMARKS: Attended 1300-2300Z±. CLOSED on major holidays, for svc after hrs call 252-234-7778. 24 hr self svc with credit card. -5' drainage ditch 100' left of centerline of Rwy 05. Low level military activity near arpt. For collision avoidance ctc Seymour AFB 119.7. ACTIVATE and incr ints MIRL Rwy 05-23 and PAPI Rwy 05 and Rwy 23.

COMMUNICATIONS: CTAF/UNICOM 122.8

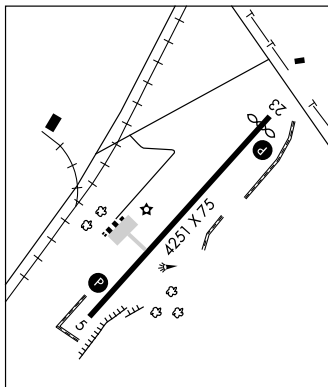
(R) SEYMOUR JOHNSON APP/DEP CON 119.7 (1200-0430Z±)

WASHINGTON CENTER APP/DEP CON 135.5 (0430-1200Z±)

RADIO AIDS TO NAVIGATION: NOTAM FILE ISO.

KINSTON (L) VORTAC 109.6 ISO Chan 33 N35°22.26'

W77°33.50' 254° 25.2 NM to fld. 106/05W.



CHARLOTTE

H-9C, L-35B, 36F
IAP

NEW BERN N35°04.39' W77°02.70' NOTAM FILE EWN.

(L) VOR/DME 113.6 EWN Chan 83 at Coastal Carolina Rgnl. 10/08W.

VOR portion unusable 120°-160°. DME portion unusable 065°-330° byd 30 NM bto 3000'.

RCO 122.4 122.2 (RALEIGH RADIO) **RCO** 122.1R 113.6T (RALEIGH RADIO)

CHARLOTTE

L-35B

NEW BERN

COASTAL CAROLINA RGNL (EWN) 3 SE UTC-5(-4DT) N35°04.38' W77°02.58'

18 B S4 FUEL 100LL, JET A Class I, ARFF Index A NOTAM FILE EWN

RWY 04-22: H6004X150 (ASPH-GRVD) S-30, D-62, 2D-140 HIRL

RWY 04: REIL. PAPI(P4L). **RWY 22:** REIL. PAPI(P4L). Trees.

RWY 14-32: H4000X150 (ASPH) S-28, D-45 MIRL

RWY 14: REIL. PAPI(P2L). Trees.

RWY 32: REIL. PAPI(P2L). Tree.

AIRPORT REMARKS: Attended 1000-0430Z±. CLOSED to unscheduled air carrier opr with more than 30 passenger seats except 24 hr PPR call arpt manager 252-638-8591. Rwy 14 PAPI OTS indef. ACTIVATE HIRL Rwy 04-22, REIL Rwy 04 and Rwy 22, MIRL Rwy 14-32 and REIL Rwy 14 and Rwy 32—CTAF. PAPI Rwy 04, 22, 14 and 32 opr 24 hrs.

WEATHER DATA SOURCES: ASOS 118.525 (252) 514-2086.

COMMUNICATIONS: CTAF 124.25

RCO 122.4 122.2 (RALEIGH RADIO)

RCO 122.1R 113.6T (RALEIGH RADIO)

(R) CHERRY POINT APP/DEP CON 119.35 **CLNC DEL** 120.525 (0300-1100Z±)

NEW BERN TOWER 124.25 (1100-0300Z±)

GND CON 121.7 **CLNC DEL** 121.7

AIRSPACE: CLASS D svc 1100-0300Z± other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE EWN.

NEW BERN (L) VOR/DME 113.6 EWN Chan 83 N35°04.39' W77°02.70' at fld. 10/08W.

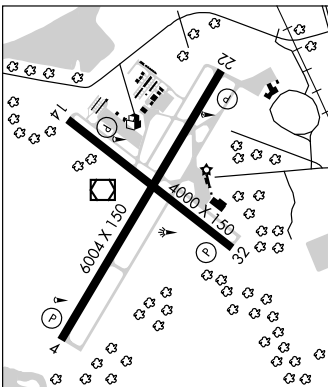
KATFI NDB (LOM) 362 EW N35°01.29' W77°04.77' 038° 3.6 NM to fld.

ILS 110.5 I-EWN Rwy 04. LOM KATFI NDB.

ASR (Mon-Fri 1100-0500Z±, Sat 1300-2100Z±, Sun 2000-0400Z±)

CHARLOTTE

H-9C, L-35B
IAP, AD



LOC I-EWN <u>110.5</u>	APP CRS 038°	Rwy Idg TDZE Apt Elev	6004 17 19
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ILS or LOC RWY 4

NEW BERN/COASTAL CAROLINA RGNL (EWN)

T
ASR

Circling to Rwy 14 NA at night.

MISSED APPROACH: Climb to 500 then climbing right turn to 2000 direct EWN VOR/DME and hold.

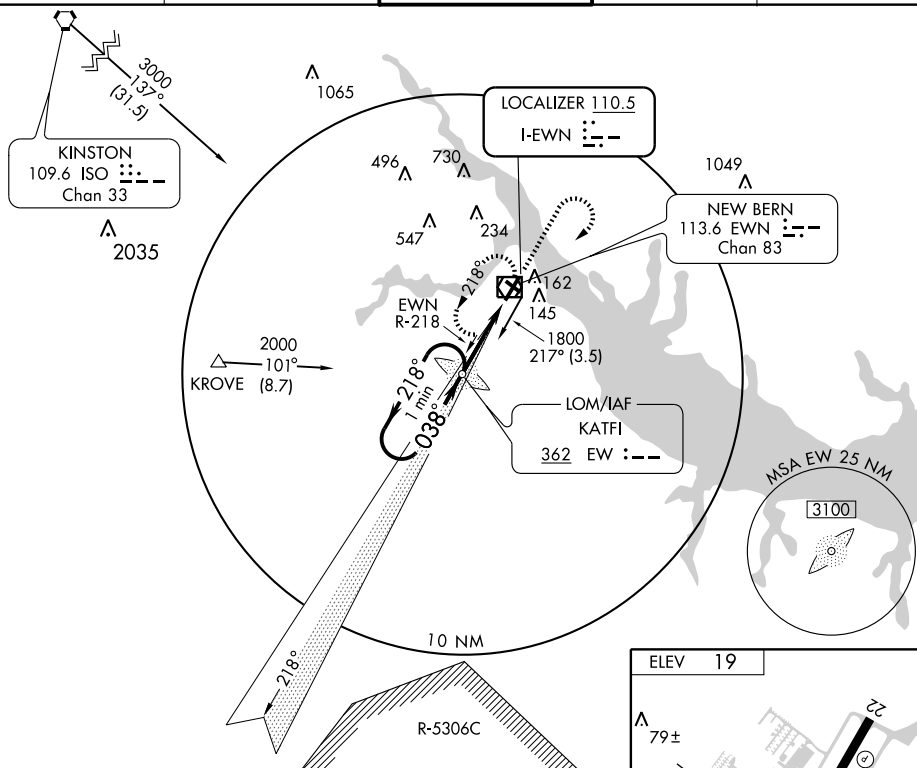
ASOS
118.525

CHERRY POINT APP CON
119.35 374.9

NEW BERN TOWER ★
124.25 (CTAF) L

CLNC DEL
121.7

GND CON
121.7



One Minute Holding Pattern

LON

500

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EWI

113.6

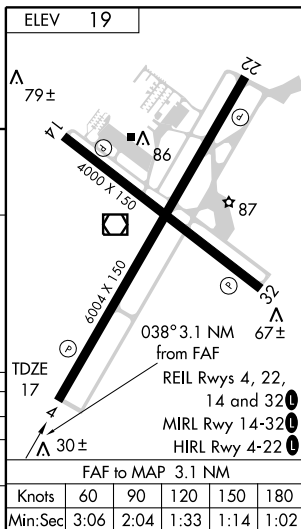
GS 3.00°
TCH 41

*LOC only

* LOC only

← 3.1 NM →

CATEGORY	A	B	C	D
S-ILS 4		267- $\frac{3}{4}$	250 (300- $\frac{3}{4}$)	
S-LOC 4		400-1	383 (400-1)	400-1 $\frac{1}{4}$ 383 (400-1 $\frac{1}{4}$)
CIRCLING	560-1	541 (600-1)	560-1 $\frac{1}{2}$ 541 (600-1 $\frac{1}{2}$)	580-2 561 (600-2)



NEW BERN, NORTH CAROLINA

Orig-C 09183

NEW BERN/COASTAL CAROLINA RGNL (EWN)

35°04'N - 77°03'W

ILS or LOC RWY 4

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

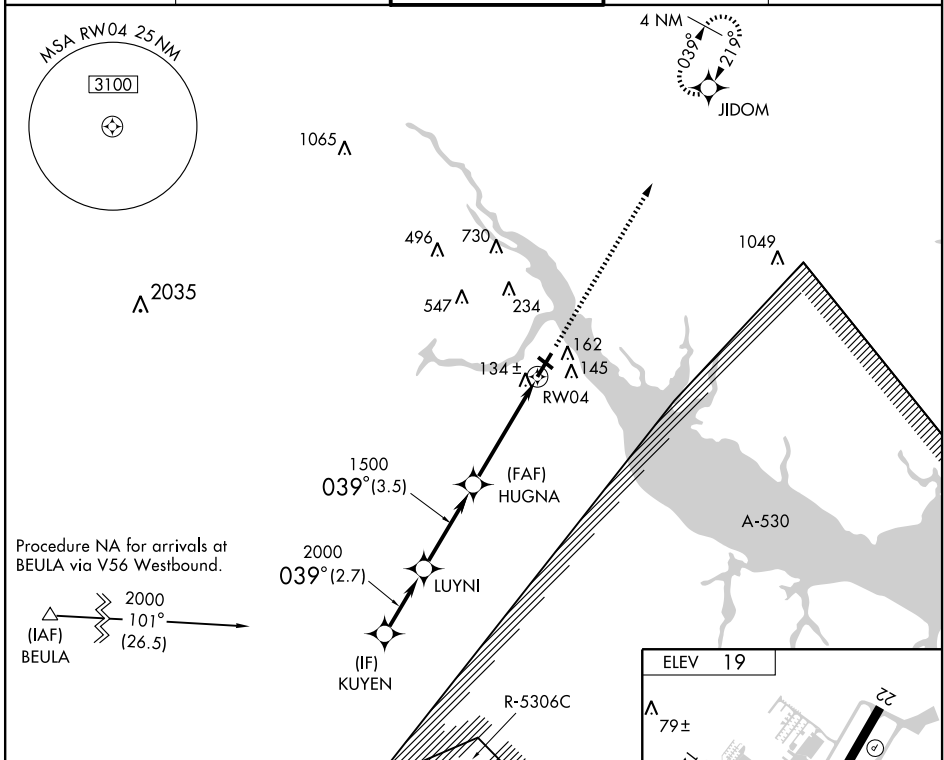
WAAS CH 69402 W04A	APP CRS 039°	Rwy Idg 6004 TDZE 16 Apt Elev 19
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RNAV (GPS) RWY 4

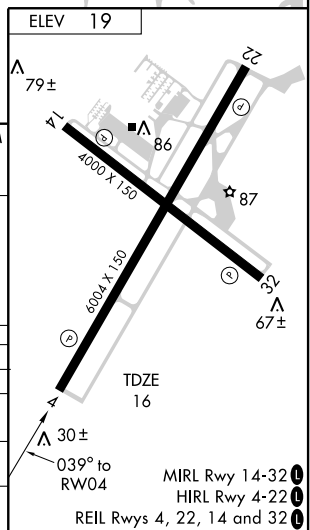
NEW BERN/COASTAL CAROLINA RGNL (EWN)

<p>▼ If local altimeter setting not received, use Cherry Point altimeter setting and increase all DAs/MDAs 40 feet. Baro-VNAV and VDP NA when using Cherry Point altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (119°F). DME/DME RNP-0.3 NA.</p> <p>▲ ASR</p>	<p>MISSED APPROACH: Climb to 2000 direct JIDOM and hold.</p>
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ASOS 118.525	CHERRY POINT APP CON 119.35 374.9	NEW BERN TOWER ★ 124.25 (CTAF) 0	CLNC DEL 121.7	GND CON 121.7
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Procedure Turn NA		VGSI and RNAV glidepath not coincident.		2000	JIDOM
KUYEN		LUYNI	HUGNA	RW04	RW04
GS 3.00° TCH 40		2000	1500	* 1.1 NM to RW04	* LNAV Only
2.7 NM		3.5 NM	3.4 NM	1.1 NM	
CATEGORY	A	B	C	D	
LPV DA		328-1	312 (400-1)		
LNAV/VNAV DA		404-1½	388 (400-1½)		
LNAV MDA		400-1	384 (400-1)	400-1¼ 384 (400-1¼)	
CIRCLING		480-1½	461 (500-1½)	580-2 561 (600-2)	



WAAS CH 63002 W22A	APP CRS 219°	Rwy Idg TDZE 17 Apt Elev 19	6004
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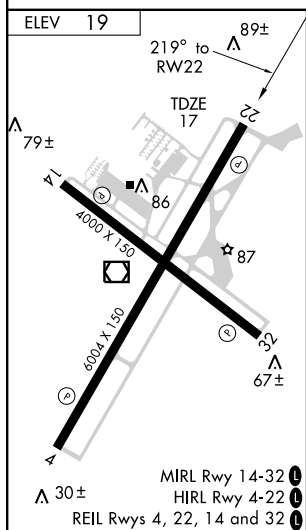
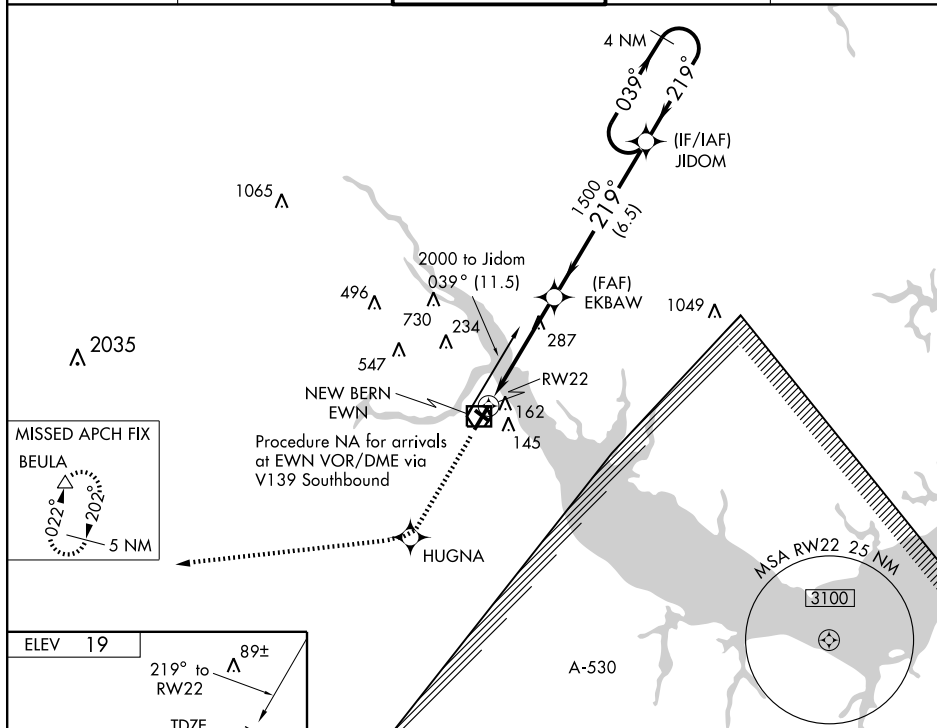
RNAV (GPS) RWY 22

NEW BERN/COASTAL CAROLINA RGNL (EWN)

▼ If local altimeter setting not received, use Cherry Point altimeter setting and increase all DAs/MDAs 40 feet. Baro-VNAV and VDP NA when using Cherry Point altimeter setting.
 ▲ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (119°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
 ASR

MISSED APPROACH:
Climb to 3000 direct HUGNA and via 271° track to BEULA and hold.

ASOS 118.525	CHERRY POINT APP CON 119.35 374.9	NEW BERN TOWER★ 124.25 (CTAF) 0	CLNC DEL 121.7	GND CON 121.7
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3000 ↑	HUGNA ✱	TRK 271°	BEULA △	VGS1 and RNAV glidepath not coincident.				
				EKBAB	JIDOM	4 NM Holding Pattern		
*LNAV only				*1.6 NM to RW22	219°	039°	2000	GS 3.00° TCH 40
RW22				1.6 NM	2.9 NM	6.5 NM		
CATEGORY	A			B		C		D
LPV DA				286-1 269 (300-1)				
LNAV/ VNAV DA				563-2 546 (600-2)				
LNAV MDA	540-1 523 (600-1)			540-1½ 523 (600-1½)		540-1¾ 523 (600-1¾)		
CIRCLING	540-1 521 (600-1)			540-1½ 521 (600-1½)		580-2 561 (600-2)		

VOR/DME EWN
113.6
Chan **83**

APP CRS
226°

Rwy Idg
TDZE **17**
Apt Elev **19**

6004

VOR RWY 22

NEW BERN/COASTAL CAROLINA RGNL (EWN)

▼ Circling to Rwy 14 NA at night. Visibility reduction by helicopters NA. If local
▲ altimeter setting not received, use Cherry Point altimeter setting and increase
ASR all MDAs 40 feet. VDP NA when using Cherry Point altimeter setting.

MISSED APPROACH: Climb to 1000
then climbing right turn to 2000
direct EWN VOR/DME and hold,
continue climb-in-hold to 2000.

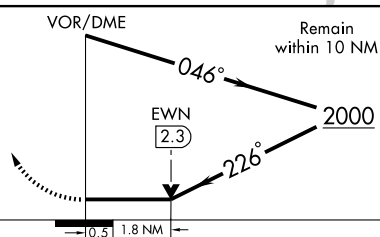
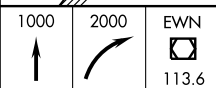
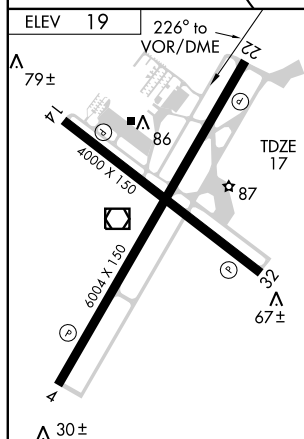
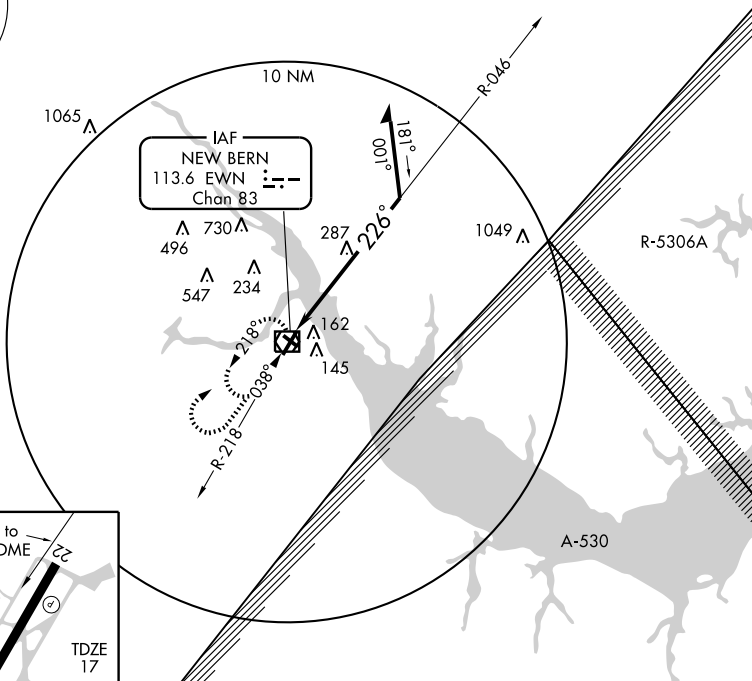
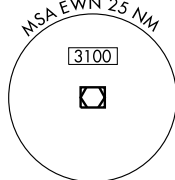
ASOS
118.525

CHERRY POINT APP CON
119.35 374.9

NEW BERN TOWER ★
124.25 (CTAF) 0

CLNC DEL
121.7

GND CON
121.7



CATEGORY	A	B	C	D
S-22	600-1 583 (600-1)		600-1½ 583 (600-1½)	600-1¾ 583 (600-1¾)
CIRCLING	600-1 581 (600-1)		600-1½ 581 (600-1½)	600-2 581 (600-2)

NEW RIVER MCAS (MCCUTCHEON FLD) (NCA)(KNCA) MC 3 S UTC-5(-4DT)

CHARLOTTE

N34°42.51' W77°26.38'

H-9C, L-35B

26 B NOTAM FILE NCA

Not insp.

DIAP, AD

RWY 05-23: H5114X150 (ASPH) PCN 80 F/B/W/T HIRL**RWY 05:** SALSF. PAPI(P4L)—GA 3.0° TCH 47'. **RWY 23:** PAPI(P4L)—GA 3.0° TCH 37'.**RWY 01-19:** H4790X150 (ASPH) PCN 80 F/B/W/T HIRL**RWY 01:** SALSF. PAPI(P4R)—GA 3.0° TCH 45'. **RWY 19:** PAPI(P4L)—GA 3.0° TCH 41'.**MILITARY SERVICE:** LGT Rwy 19 and Rwy 23 thld lgt vary from 1' to 15' from edge of the pavement. Non standard PCL all rws. VHF 120.0 3 clicks step 1, 5 clicks step 3, 7 clicks off. Expect 20 seconds delay for lgt to activate.ACTIVATE HIRL Rwy 01-19 and HIRL Rwy 05-23—120.0. **FUEL** J5 Fuel svc Mon-Fri 1300Z until 1 hr prior to fld closure, clsd Sat, Sun and holidays.**TRAN ALERT** PPR Mon-Thu 1300-0300Z, Fri 1300-0000Z, clsd Sat, Sun and holidays. For acft remaining overnight ctc host unit. No clsd fld authorized for tran acft.**MILITARY REMARKS:** Opr Mon-Thu 1300-0600Z, Fri 1300-0000Z, clsd Sat, Sun and holidays. See FLIP AP/1Supplement Arpt Remarks. **RSTD** PPR all transient acft (minimum 24 hr in advance). Call Base Ops DSN752-6311/6316, C910-449-6311/6316. Twy A at mid-fld clsd to C-130 and larger acft. **CAUTION** Bird hazardOct-Apr. Wildlife hazard on arpt, especially SS-SR. **TFC PAT** Tactical jets prohibited, non-vertical and short takeoff and landing only. **NS ABTMT** Touch and go not avbl after 0400Z. **MISC** All acft with passenger/cargo/Distinguished

Visitor ctc Base Ops 20 min prior to landing.

WEATHER DATA SOURCES: ASOS 288.325. ASOS transmits on PMSV 244.775 when airfield clsd.**COMMUNICATIONS:** ATIS 288.325 (24hr; Unmonitored when field clsd)⑦ **CHERRY POINT APP/DEP CON** 119.35 377.175**TOWER** 120.0 360.2 323.25 **ARRIVAL** 124.85 279.575 (Mon-Thu 1300-0600Z, Fri 1300-0000Z, clsd Sat, Sun and holidays.) **GND CON** 121.8 254.275 **CLNC DEL** 239.025**PMSV METRO** 244.775 (daily 1100-2200Z other times frequency broadcast ASOS) Unmonitored after 2200Z.**NEW RIVER OPS** 253.3**AIRSPACE:** CLASS D (Mon-Thu 1300-0600Z, Fri 1300-0000Z, clsd Sat, Sun and holidays, other times CLASS G.**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.(L) **TACAN** Chan 101 NCA (115.4) N34°42.43' W77°26.42' at fld. 74/8W. Unmonitored and ident off when fld not opr.**ILS/DME** 111.1 I-NCA Rwy 01. GS unusable byd 4° left of course and 7° right of course.**ASR/PAR****COMM/NAV/WEATHER REMARKS:** Radar see Terminal FLIP for Radar Minima.**NORTHEASTERN RGNL** (See EDENTON)**NORTH WILKESBORO****WILKES CO** (UKF) 4NE UTC-5(-4DT) N36°13.37' W81°05.90'1301 B S4 **FUEL** 100LL, JET A+ OX 3,4 NOTAM FILE UKF

Not insp.

CINCINNATI

H-9B, 12H, L-25D

RWY 01-19: H6200X100 (ASPH) S-45, D-60 MIRL 0.9% up N**RWY 01:** MALS. REIL. PAPI(P2L)—GA 3.0° TCH 44'. Trees.**RWY 19:** REIL. PAPI(P2L)—GA 3.0° TCH 36'. Tree.**AIRPORT REMARKS:** Attended dawn-dusk. Arpt unattended Thanksgiving and Christmas. PAEW east of Rwy 01-19 Mon-Fri SR-SS. Deer on and invof arpt. Rwy 01-19 no line of sight between rwy ends.

MIRL Rwy 01-19 preset low ints; to increase ints and ACTIVATE MALS. Rwy 01; PAPI Rwy 01 and Rwy 19 and REIL Rwy 19 and twy lgt—CTAF.

WEATHER DATA SOURCES: AWOS-3 126.625 (336) 696-3788.**COMMUNICATIONS:** CTAF/UNICOM 122.7**WILKESBORO RCO** 122.4 (RALEIGH RADIO)**ATLANTA CENTER APP/DEP CON** 125.15**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.**BARRETS MOUNTAIN (L) VOR/DME** 110.8 BZM Chan 45

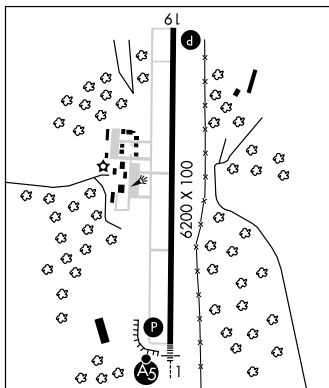
N35°52.13' W81°14.43' 024°22.3 NM to fld. 1880/06W.

WILKI NDB (MHW/LOM) 209 UKF N36°06.77' W81°05.89'

006°6.6 NM to fld.

ILS/DME 111.55 I-UKF Chan 52(Y) Rwy 01. Class IB. LOM

WILKI NDB.



APP CRS
005°

Rwy Idg
TDZE **1277**

Apt Elev
1301

GPS RWY 1

NORTH WILKESBORO/ WILKES COUNTY (UKF)



For inoperative MALSR, increase S-1 Cat D
visibility to 1¼ miles.

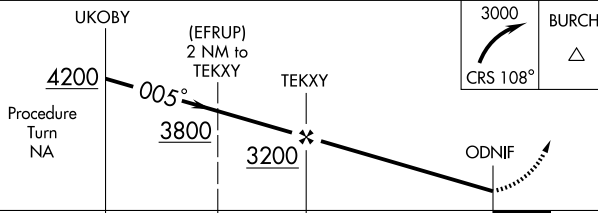
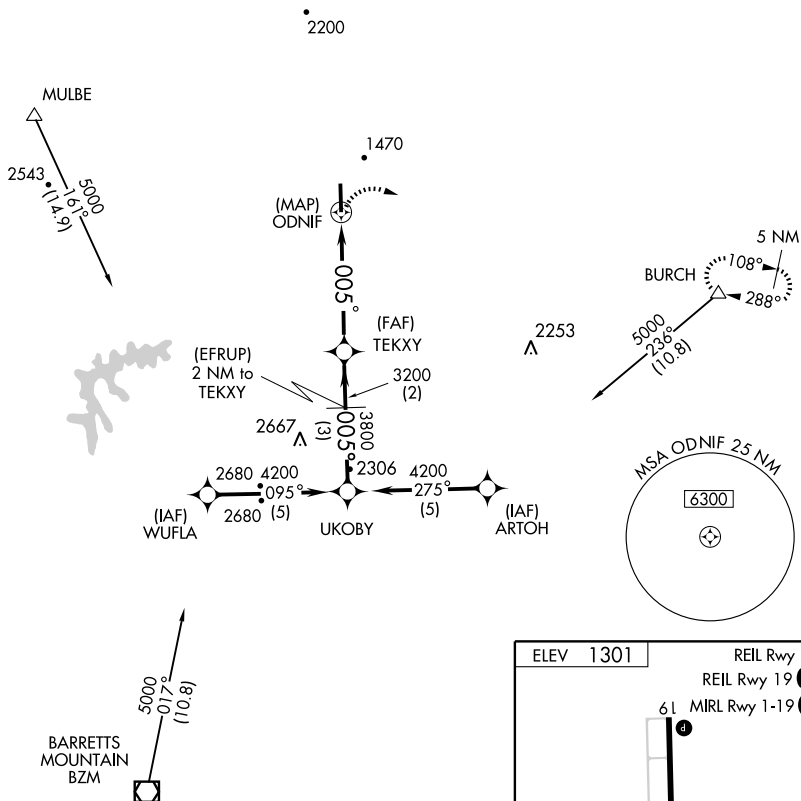


MISSED APPROACH: Climbing right turn to
3000 via 108° course to BURCH WP and hold.

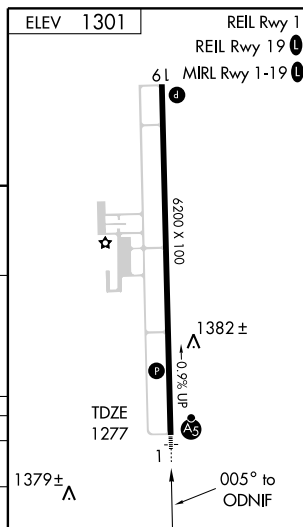
AWOS-3
126.625

ATLANTA CENTER
125.15 263.0

UNICOM
122.7(CTAF) 0



CATEGORY	A	B	C	D
S-1	1640-½ 363 (400-½)			1640-1 363 (400-1)
CIRCLING	1820-1 519 (600-1)	1880-1 579 (600-1)	1880-½ 579 (600-½)	1880-2 579 (600-2)



LOC/DME I-UKF 111.55 Chan 52 (Y)	APP CRS 005°	Rwy Idg TDZE Apt Elev 6200 1277 1301
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ILS RWY 1

NORTH WILKESBORO/ WILKES COUNTY (UKF)



DME MINIMUMS: For inoperative MALS, increase S-LOC 1 Cat D visibility to 1 mile. ADF REQUIRED

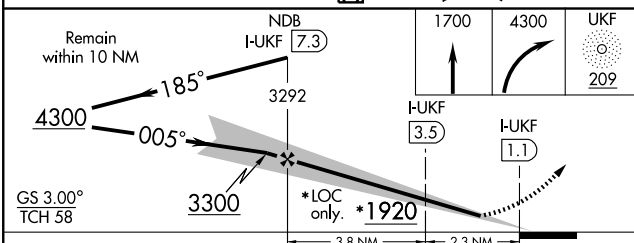
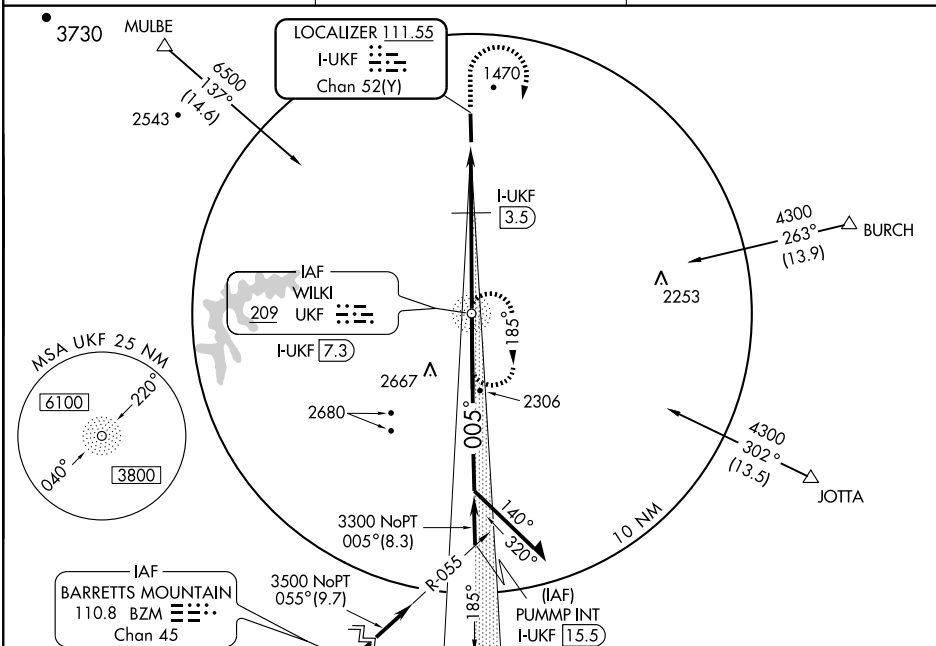


MISSED APPROACH: Climb to 1700 then climbing right turn to 4300 direct WILKI NDB and hold.

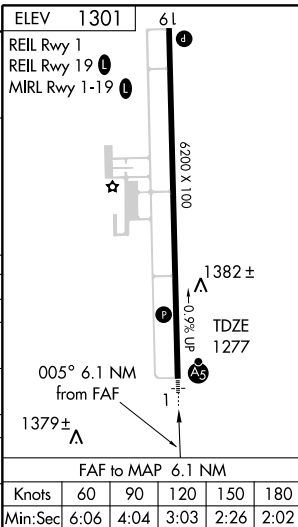
AWOS-3
126.625

ATLANTA CENTER
125.15 263.0

UNICOM
122.7 (CTAF)



CATEGORY	A	B	C	D
S-ILS 1	1477-½ 200 (200-½)			
S-LOC 1	1920-½ 643 (700-½)		1920-1¼ 643 (700-1¼)	1920-1½ 643 (700-1½)
CIRCLING	1920-1 619 (700-1)		1920-1¾ 619 (700-1¾)	1920-2 619 (700-2)
DME MINIMUMS				
S-LOC 1	1580-½ 303 (300-½)			1580-¾ 303 (300-¾)
CIRCLING	1820-1 519 (600-1)	1880-1 579 (600-1)	1880-1½ 579 (600-1½)	1880-2 579 (600-2)



WAAS Ch 86917 W05A	APP CRS 049°	Rwy Idg TDZE 24 Apt Elev 24	5505
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RNAV (GPS) RWY 5

CAPE FEAR RGNL JETPORT/HOWIE FRANKLIN FLD (SUT)

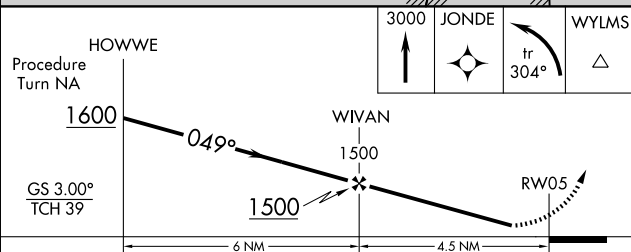
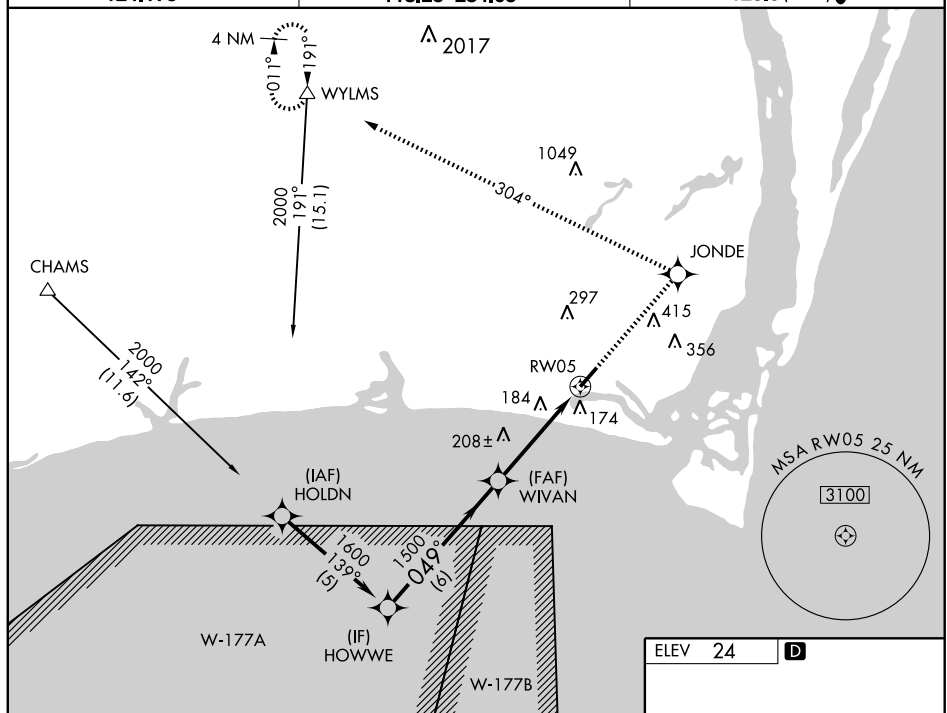
Baro-VNAV NA when using Wilmington altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15° C (5°F) or above 48°C (118°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Wilmington altimeter setting and increase all DA 53 feet and all MDA 60 feet; increase LNAV/VNAV all Cats visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct JONDE and left turn via track 304° to WYLS and hold.

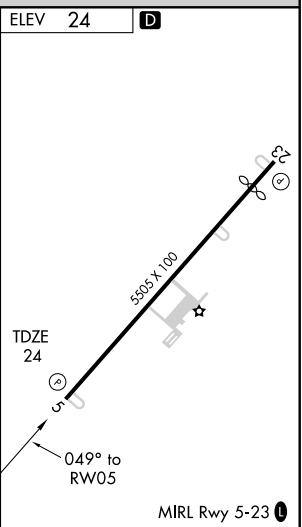
AWOS-3
124.175

WILMINGTON APP CON
118.25 284.65

UNICOM
123.0 (CTAF) 0



CATEGORY	A	B	C	D
LPV DA	274-1	250 (300-1)		NA
LNAV/VNAV DA	460-1½	436 (500-1½)		NA
LNAV MDA	460-1	436 (500-1)	460-1¼ 436 (500-1¼)	NA
CIRCLING	480-1	456 (500-1)	520-1½ 496 (500-1½)	NA



APP CRS	Rwy Idg	2999
059°	TDZE	5
	Apt Elev	5

RNAV (GPS) RWY 6

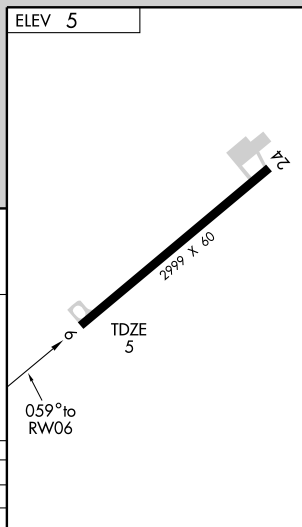
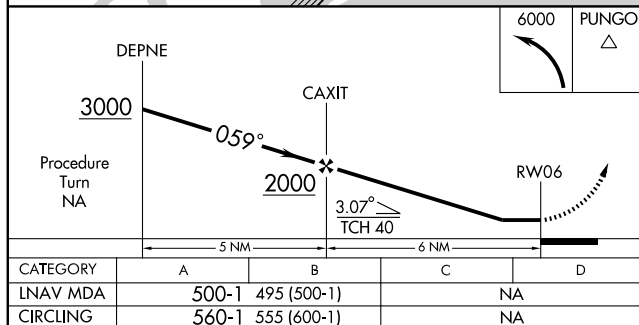
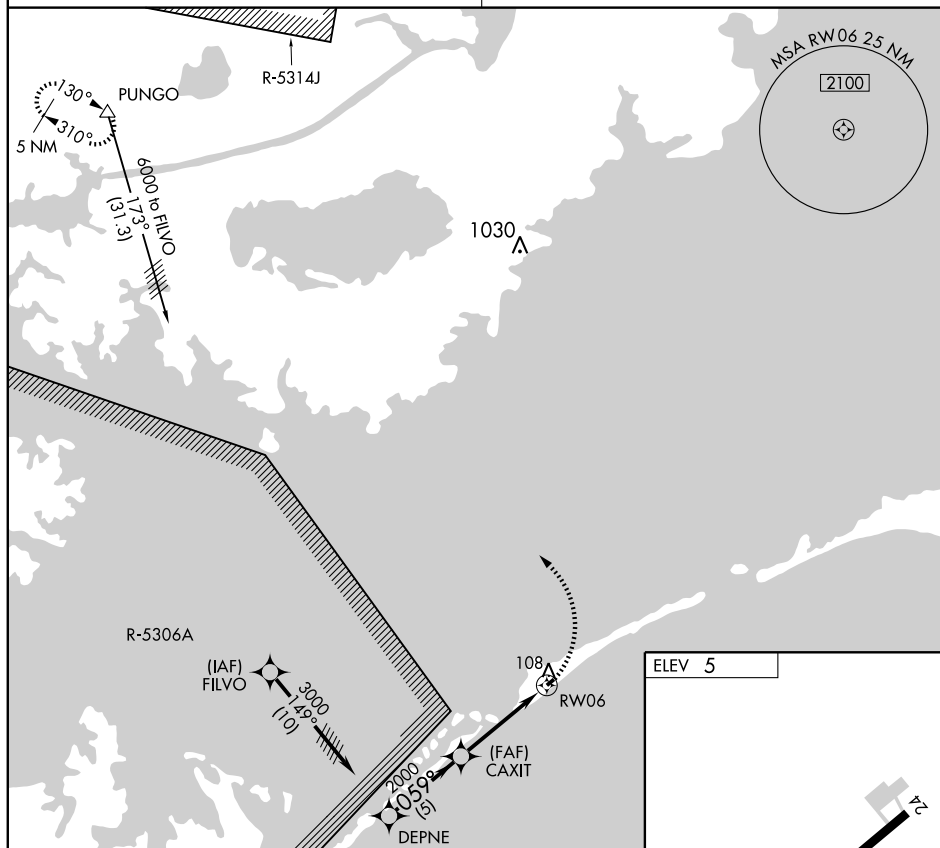
OCRACOKE ISLAND (W95)

NA Procedure NA at night. Use Hatteras altimeter setting, when not received procedure NA.
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing left turn to 6000 direct PUNGO WP and hold.

CHERRY POINT APP CON
119.75 360.775

CTAF
122.9



APP CRS **239°**
Rwy Idg **2999**
TDZE **5**
Apt Elev **5**

RNAV (GPS) RWY 24

OCRACOKE ISLAND (W95)



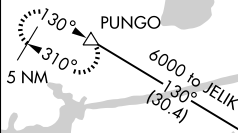
Procedure NA at night. Use Hatteras altimeter setting, when not received procedure NA.
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing right turn to 6000 direct PUNGO WP and hold.

CHERRY POINT APP CON
119.75 360.775

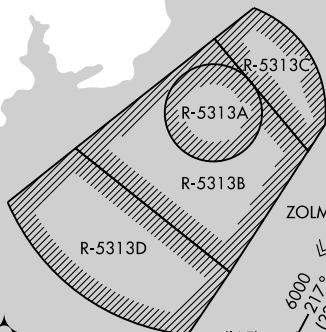
CTAF
122.9

R-5314J



1030
▲

(IAF) JELIK
3000
149°
(10)



ZOLMN
6000
217°
(22.4)

(IAF) MUTVE
3000
245°
(10)

2000
239°
(5) KASVE

(FAF) LAMGE

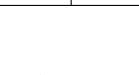
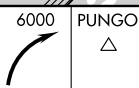
MSA RW 24 25 NM
[2100]

ELEV 5

239° to RW24

TDZE 5

2999 X 60



LAMGE

KASVE

3000

Procedure Turn NA



6 NM

5 NM

CATEGORY A

B

C

D

LNVA MDA 500-1

495 (500-1)

NA

NA

CIRCLING 560-1

555 (600-1)

NA

NA

ODELL WILLIAMSON MUNI (See OCEAN ISLE BEACH)**OXFORD****HENDERSON—OXFORD** (HNZ) 4 NE UTC-5(-4DT) N36°21.70' W78°31.75'

526 B S4 FUEL 100LL, JET A1+ NOTAM FILE HNZ

RWY 06-24: H5002X97 (ASPH) S-30 MIRL 0.4% up SW

RWY 06: REIL. PAPI(P2L)—GA 3.3° TCH 26'. Trees.

RWY 24: PAPI(P2L)—GA 3.45° TCH 33'. Trees.

AIRPORT REMARKS: Attended 1300-2300Z±, CLOSED Thanksgiving and Christmas days. Arpt phone number is 919-693-5769; for after hours svc call 919-603-0499. Rwy 24 has 30' unmarked p-line 1000' from thld on centerline. Rwy 24 has 60' drop off 325' from thld and 90' left and right from centerline. Rwy 06 200' from thld on both sides of centerline 6' drop off. Trees east of the arpt obscure the rotating bcn. MIRL Rwy 06-24 ops dusk-0400Z±; after 0400Z± ACTIVATE—CTAF. ACTIVATE REIL Rwy 06, PAPI Rwy 06 and Rwy 24—CTAF.

WEATHER DATA SOURCES: AWOS-3 118.625 (919) 693-9516.**COMMUNICATIONS:** CTAF/UNICOM 122.8

® **RALEIGH APP/DEP CON** 132.35 **GCO** 135.075 (RALEIGH APP)

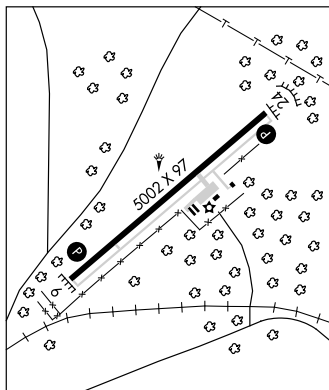
RADIO AIDS TO NAVIGATION: NOTAM FILE DCA.**SOUTH BOSTON (L) VORTAC** 110.4 SBV Chan 41 N36°40.50'

W79°00.87' 134° 30.1 NM to fld. 530/05W.

HUNTSBORO NDB (MHW) 271 HXO N36°18.03'

W78°37.12' 057° 5.7 NM to fld. NOTAM FILE RDU.

ILS 109.75 I-HNZ Rwy 06. LOC only.

**WASHINGTON**

H-9C, 12H, L-36G

IAP

PENDY N34°42.98' W78°00.22' NOTAM FILE RDU.

NDB (MHW) 379 ACZ at Henderson Field.

CHARLOTTE

L-35B

PERSON CO (See ROXBORO)**PIEDMONT TRIAD INTL** (See GREENSBORO)**PINEHURST/SOUTHERN PINES****MOORE CO** (SOP) 3 N UTC-5(-4DT) N35°14.26' W79°23.33'

455 B S4 FUEL 100LL, JET A1 OX 3 Class IV, ARFF Index A NOTAM FILE SOP

RWY 05-23: H5503X150 (ASPH-GRVD) S-30 D-58. HIRL 0.4% up SW

RWY 05: MALS. VASI(V4L)—GA 3.0° TCH 48'.

RWY 23: REIL. VASI(V4L)—GA 3.0° TCH 39'. Tree.

AIRPORT REMARKS: Attended 1300-0100Z±. Bird activity on and in/ov arpt Apr-Oct. PPR for unscheduled air carrier ops with more than 30 passenger seats; call arpt manager 910-692-3212. 12 hr PPR for jet ops conducted 0400-1100Z±, ctc airport manager 910-692-3212. Noise abatement procedures in effect. Ctc arpt manager 910-692-3212. Avoid overfly of residential area NE of arpt. Multiengine acft departing Rwy 05 or Rwy 23 maintain heading until reaching 1500' MSL before turning. ACTIVATE HIRL Rwy 05-23, REIL Rwy 23 and tw lghts—CTAF.

WEATHER DATA SOURCES: AWOS-3 127.575 (910) 692-4287.**COMMUNICATIONS:** CTAF/UNICOM 123.05

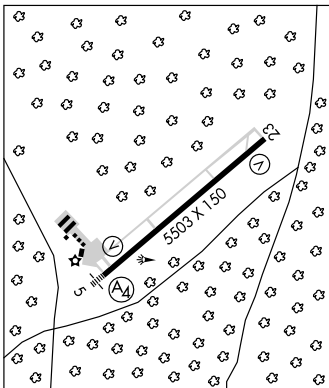
® **FAYETTEVILLE APP/DEP CON** 127.8 **CLNC DEL** 127.0

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.**SANDHILLS (L) VORTAC** 111.8 SDZ Chan 55 N35°12.93'

W79°35.28' 085° 9.9 NM to fld. 590/03W.

ILS 111.5 I-SOP Rwy 05. Class IB. Loc unmonitored

0100-1300Z±. Localizer unusable bvd 30° left of centerline.

**CHARLOTTE**

H-9C, 12H, L-35A, 36F

IAP

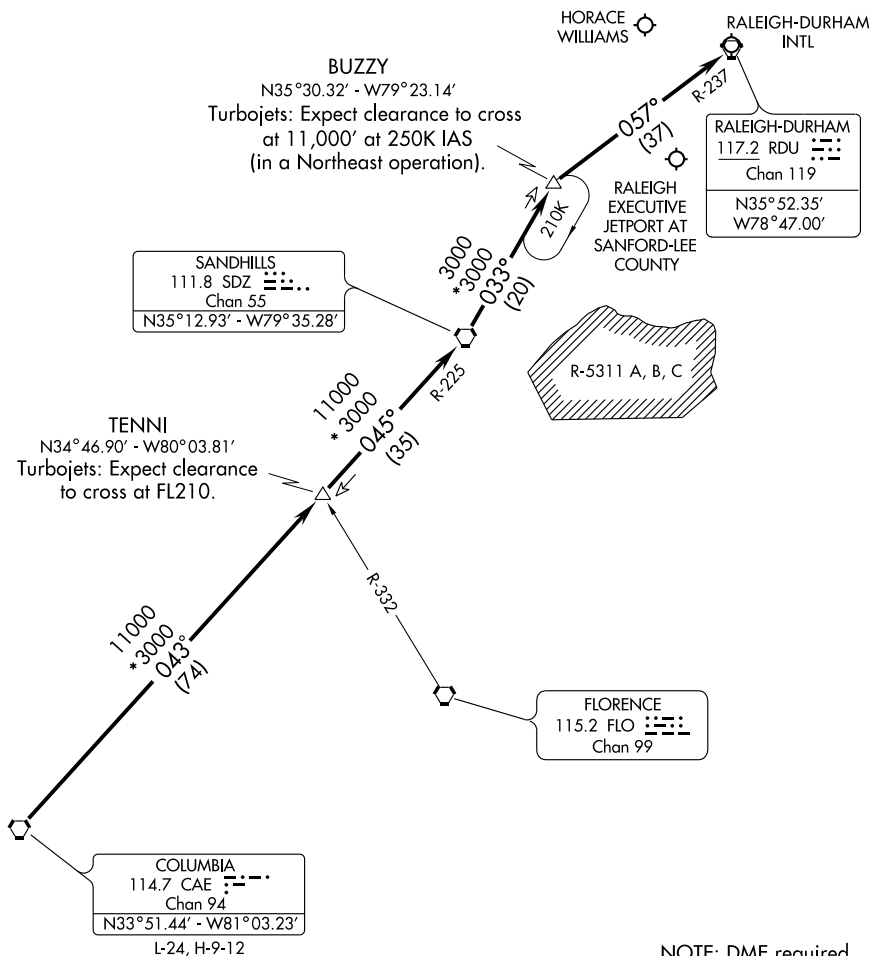
BUZZY SIX ARRIVAL

RALEIGH/DURHAM, NORTH CAROLINA

RALEIGH APP CON
128.3 307.9
RALEIGH-DURHAM ATIS
123.8

PERSON COUNTY

HENDERSON-
OXFORD



From over Columbia (CAE) via CAE R-043 and Sandhills (SDZ) R-225 to SDZ. Thence via SDZ R-033 to BUZZY INT. Thence via Raleigh-Durham (RDU) R-237 to RDU. Expect radar vectors to final approach course after BUZZY INT.

LOC I-HNZ	APP CRS	Rwy Idg	5002
109.75	058°	TDZE	526
		Apt Elev	526

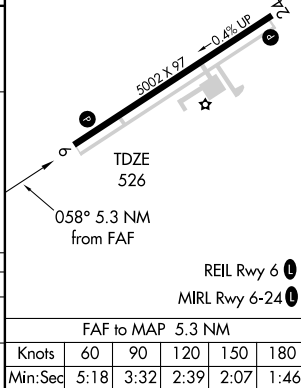
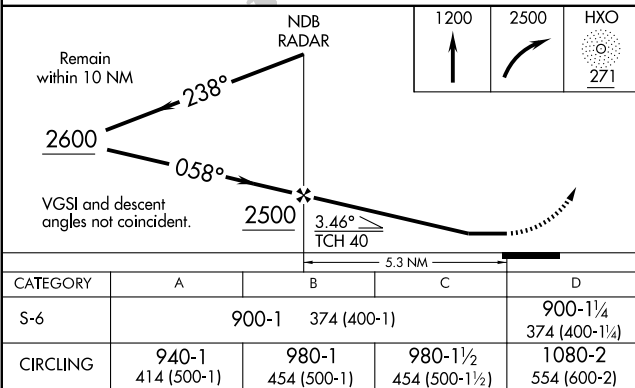
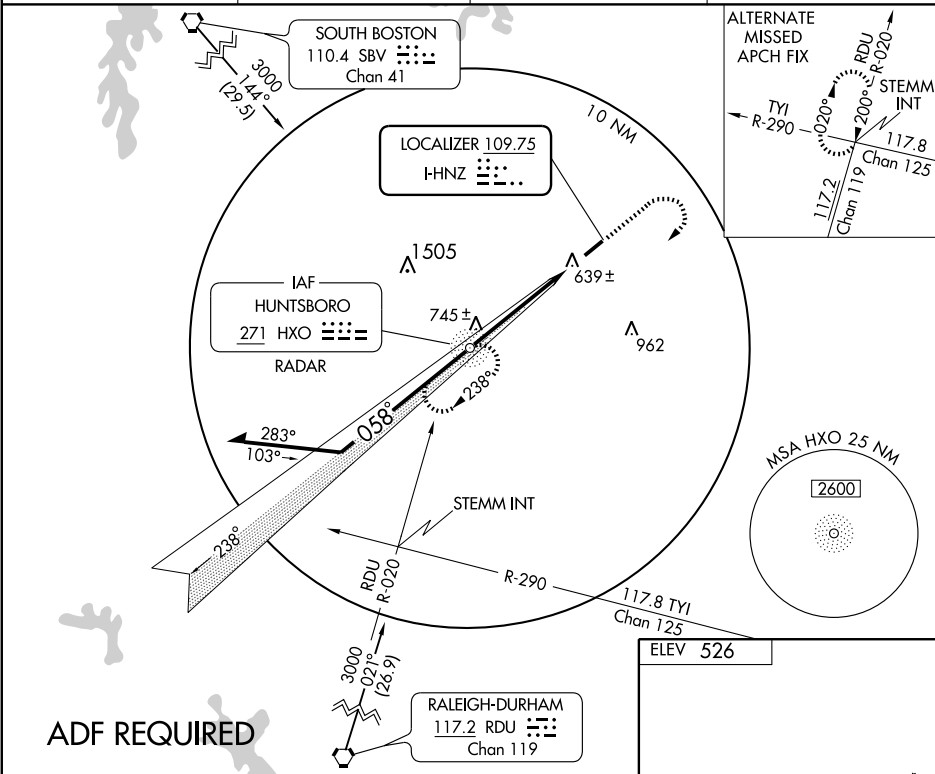
LOC RWY 6

OXFORD/HENDERSON-OXFORD (HNZ)

ADF or RADAR required. Visibility reduction by helicopters NA. When local altimeter setting not received, use Roxboro altimeter setting and increase all MDA 80 feet; increase S-6 Cats C and D visibility ¼ mile.

MISSED APPROACH: Climb to 1200 then climbing right turn to 2500 direct HXO NDB/RADAR and hold, continue climb-in-hold to 2500.

AWOS-3 118.625	RALEIGH APP CON 132.35 256.9	GCO 135.075	UNICOM 122.8 (CTAF) 1
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NDB RWY 6

OXFORD/HENDERSON-OXFORD (HNZ)

NDB HXO 271	APP CRS 057°	Rwy Idg TDZE Apt Elev	5002 526 526
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When local altimeter setting not received, use Roxboro altimeter setting and increase all MDA 80 feet; increase S-6 Cats C and D visibility 1/4 mile. Visibility reduction by helicopters NA.

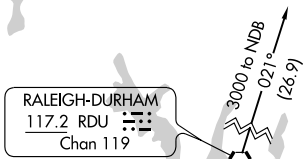
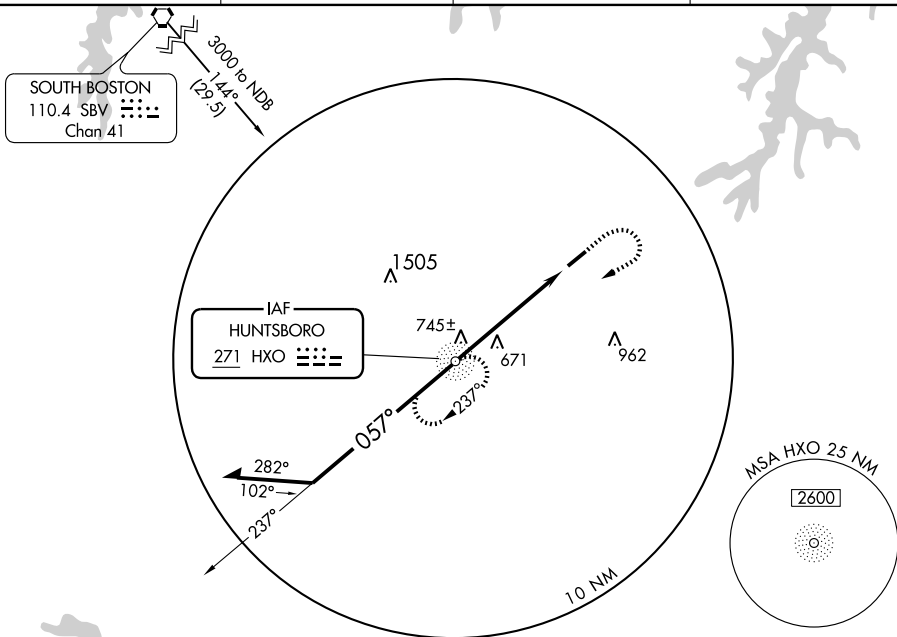
MISSED APPROACH: Climb to 1200 then climbing right turn to 2500 direct HXO NDB and hold.

AWOS-3
118.625

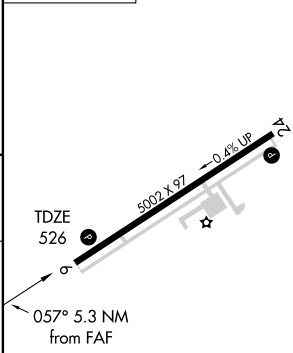
RALEIGH APP CON
132.35 256.9

GCO
135.075

UNICOM
122.8 (CTAF) 0

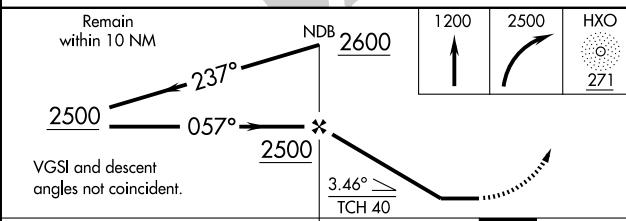


ELEV 526



REIL Rwy 6 0
MIRL Rwy 6-24 0

FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46



CATEGORY	A	B	C	D
S-6	980-1 454 (500-1)		980-1 1/4 454 (500-1 1/4)	980-1 1/2 454 (500-1 1/2)
CIRCLING	980-1 454 (500-1)		980-1 1/2 454 (500-1 1/2)	554 (600-2)

WAAS CH 63009	APP CRS 238°	Rwy Idg TDZE Apt Elev	5002 523 526
W24A			

RNAV (GPS) RWY 24 OXFORD/HENDERSON-OXFORD (HNZ)



Baro-VNAV NA when using Roxboro altimeter setting. DME/DME RNP-0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16° C (4° F) or above 48° C (118° F). Visibility reduction by helicopters NA. When local altimeter setting not received, use Roxboro altimeter setting and increase LPV DA to 837, LNAV/VNAV DA to 953, and all MDA 80 feet; increase LPV all Cats, LNAV/VNAV all Cats, and LNAV Cats C and D visibility ¼ mile.

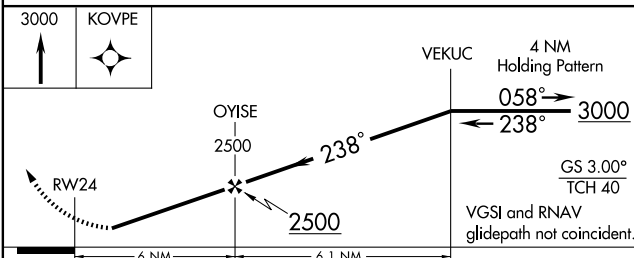
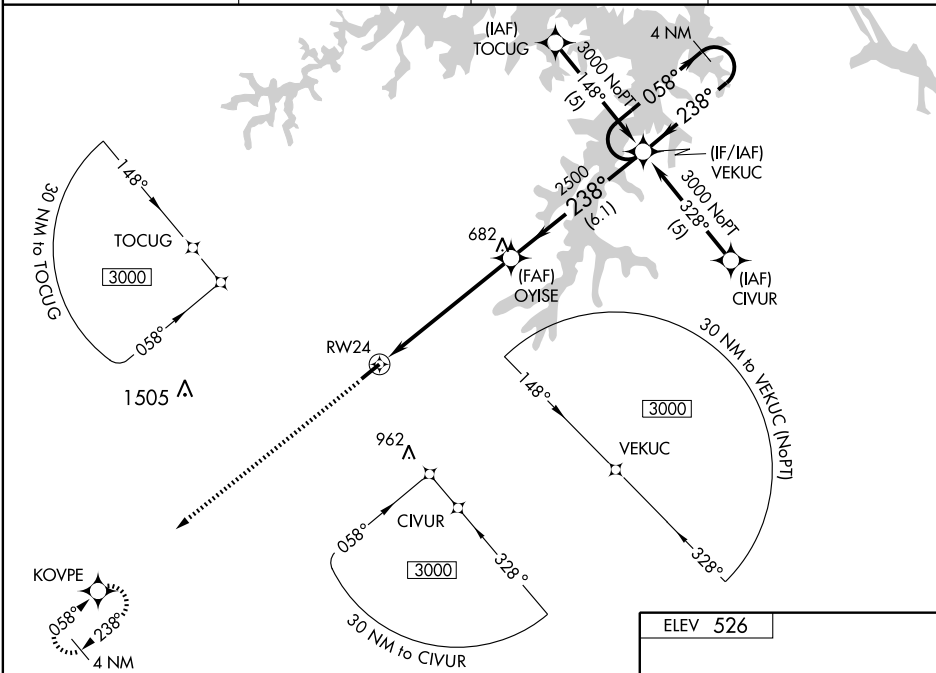
MISSED APPROACH:
Climb to 3000 direct KOVPE and hold.

AWOS-3
118.625

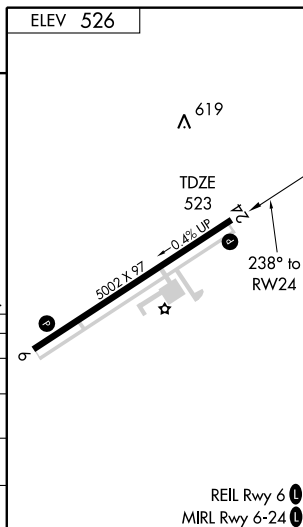
RALEIGH APP CON
132.35 256.9

GCO
135.075

UNICOM
122.8 (CTAF) 0



CATEGORY	A	B	C	D
LPV DA	773-1	250 (300-1)		
LNAV/VNAV DA	889-1¼	366 (400-1¼)		
LNAV MDA	880-1	357 (400-1)	880-1¼	357 (400-1¼)
CIRCLING	940-1 414 (500-1)	980-1 454 (500-1)	980-1½ 454 (500-1½)	1080-2 554 (600-2)



SOUTH BOSTON FOUR ARRIVAL

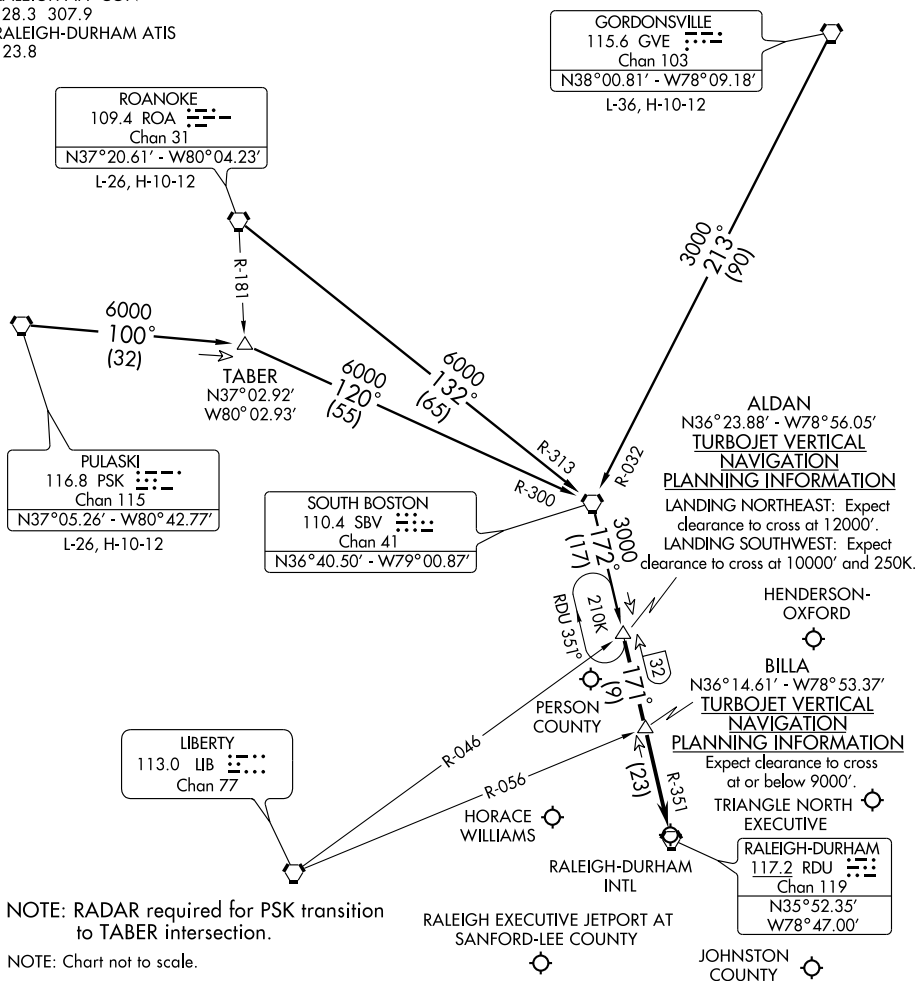
RALEIGH-DURHAM, NORTH CAROLINA

RALEIGH APP CON

128.3 307.9

RALEIGH-DURHAM ATIS

123.8



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

GORDONVILLE TRANSITION (GVE.SBV4): From over GVE VORTAC via GVE R-213 and SBV R-032 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

PULASKI TRANSITION (PSK.SBV4): From over PSK VORTAC via PSK R-100 and SBV R-300 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

ROANOKE TRANSITION (ROA.SBV4): From over ROA VORTAC via ROA R-132 and SBV R-313 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

From over ALDAN INT via RDU R-351 to BILLA INT, then via RDU R-351 to RDU VORTAC. For arrival to Raleigh-Durham Intl (RDU), Franklin County (LHZ), Horace Williams (IGX), Johnston County (JNX) and Sanford-Lee County Rgnl (TTA) airports:

Expect radar vectors to final approach course after BILLA INT.

For arrival to Henderson-Oxford (HNZ) and Person County (TDF) airports:

Expect radar vectors to final approach course after ALDAN INT.

SOUTH BOSTON FOUR ARRIVAL

(SBV.SBV4) 10266

RALEIGH-DURHAM, NORTH CAROLINA

ODELL WILLIAMSON MUNI (See OCEAN ISLE BEACH)**OXFORD****HENDERSON—OXFORD** (HNZ) 4 NE UTC-5(-4DT) N36°21.70' W78°31.75'

526 B S4 FUEL 100LL, JET A1+ NOTAM FILE HNZ

RWY 06-24: H5002X97 (ASPH) S-30 MIRL 0.4% up SW

RWY 06: REIL. PAPI(P2L)—GA 3.3° TCH 26'. Trees.

RWY 24: PAPI(P2L)—GA 3.45° TCH 33'. Trees.

AIRPORT REMARKS: Attended 1300-2300Z, CLOSED Thanksgiving and Christmas days. Arpt phone number is 919-693-5769; for after hours svc call 919-603-0499. Rwy 24 has 30' unmarked p-line 1000' from thld on centerline. Rwy 24 has 60' drop off 325' from thld and 90' left and right from centerline. Rwy 06 200' from thld on both sides of centerline 6' drop off. Trees east of the arpt obscure the rotating bcn. MIRL Rwy 06-24 ops dusk-0400Z; after 0400Z ACTIVATE—CTAF. ACTIVATE REIL Rwy 06, PAPI Rwy 06 and Rwy 24—CTAF.

WEATHER DATA SOURCES: AWOS-3 118.625 (919) 693-9516.**COMMUNICATIONS:** CTAF/UNICOM 122.8

® **RALEIGH APP/DEP CON** 132.35 **GCO** 135.075 (RALEIGH APP)

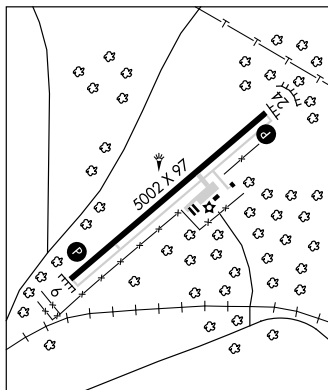
RADIO AIDS TO NAVIGATION: NOTAM FILE DCA.**SOUTH BOSTON (L) VORTAC** 110.4 SBV Chan 41 N36°40.50'

W79°00.87' 134° 30.1 NM to fld. 530/05W.

HUNTSBORO NDB (MHW) 271 HXO N36°18.03'

W78°37.12' 057° 5.7 NM to fld. NOTAM FILE RDU.

ILS 109.75 I-HNZ Rwy 06. LOC only.

**WASHINGTON**

H-9C, 12H, L-36G

IAP

PENDY N34°42.98' W78°00.22' NOTAM FILE RDU.

NDB (MHW) 379 ACZ at Henderson Fld.

CHARLOTTE

L-35B

PERSON CO (See ROXBORO)**PIEDMONT TRIAD INTL** (See GREENSBORO)**PINEHURST/SOUTHERN PINES****MOORE CO** (SOP) 3 N UTC-5(-4DT) N35°14.26' W79°23.33'

455 B S4 FUEL 100LL, JET A1 OX 3 Class IV, ARFF Index A NOTAM FILE SOP

RWY 05-23: H5503X150 (ASPH-GRVD) S-30 D-58. HIRL 0.4% up SW

RWY 05: MALS. VASI(V4L)—GA 3.0° TCH 48'.

RWY 23: REIL. VASI(V4L)—GA 3.0° TCH 39'. Tree.

AIRPORT REMARKS: Attended 1300-0100Z. Bird activity on and in/ov arpt Apr-Oct. PPR for unscheduled air carrier ops with more than 30 passenger seats; call arpt manager 910-692-3212. 12 hr PPR for jet ops conducted 0400-1100Z, ctc airport manager 910-692-3212. Noise abatement procedures in effect. Ctc arpt manager 910-692-3212. Avoid overfly of residential area NE of arpt. Multiengine acft departing Rwy 05 or Rwy 23 maintain heading until reaching 1500' MSL before turning. ACTIVATE HIRL Rwy 05-23, REIL Rwy 23 and tw lgtS—CTAF.

WEATHER DATA SOURCES: AWOS-3 127.575 (910) 692-4287.**COMMUNICATIONS:** CTAF/UNICOM 123.05

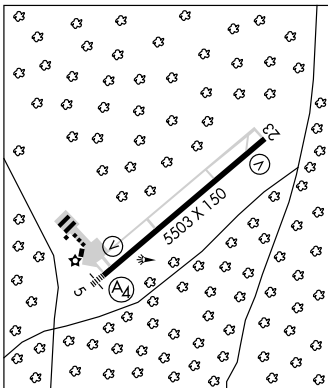
® **FAYETTEVILLE APP/DEP CON** 127.8 **CLNC DEL** 127.0

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.**SANDHILLS (L) VORTAC** 111.8 SDZ Chan 55 N35°12.93'

W79°35.28' 085° 9.9 NM to fld. 590/03W.

ILS 111.5 I-SOP Rwy 05. Class IB. Loc unmonitored

0100-1300Z. Localizer unusable bvd 30° left of centerline.

**CHARLOTTE**

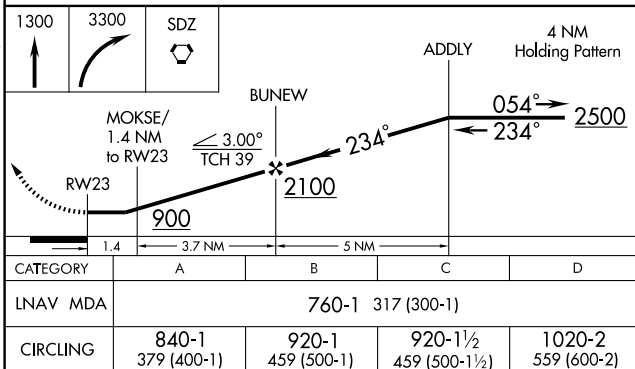
H-9C, 12H, L-35A, 36F

IAP

RNAV (GPS) RWY 23

PINEHURST/SOUTHERN PINES/MOORE COUNTY (SOP)

MISSED APPROACH: Climb to 1300 then climbing right turn to 3300 direct SDZ VORTAC and hold.

UNICOM
123.05 (CTAF) **L**

PINEHURST/SOUTHERN PINES/MOORE COUNTY (SOP)

35°14'N-79°23'W

RNAV (GPS) RWY 23

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

PINK HILL (4W9) 1 E UTC-5(-4DT) N35°03.04' W77°44.17'

CHARLOTTE

144 B NOTAM FILE RDU

RWY 01-19: 2800X85 (TURF) LIRL (NSTD)

RWY 01: Thld dsplcd 200'. Trees.

RWY 19: Thld dsplcd 200'. Fence.

AIRPORT REMARKS: Unattended. Sheep on and in vof arpt. No line of sight between rwy ends. Arpt is under several military low level routes. Jet acft cross arpt under 500 feet in excess of 200 knots. +5' grape vineyards 50' left and right of centerline first half of Rwy 19. 65' trees 50' from rwy edges both sides south half of rwy. 40' trees 50' from E edge N half of rwy. Rwy 01-19 marked with yellow cones, dsplcd thlds marked with 3 cones each side rwy. Rwy 01-19 NSTD LIRL; not FAA approved L-800 series. No thld lgts. LIRL Rwy 01-19 OTS indef.

ACTIVATE LIRL Rwy 01-19 and rotating bcn—CTAF.

COMMUNICATIONS: CTAF/UNICOM 122.7

PITT-GREENVILLE (See GREENVILLE)

PK AIRPARK (See RAEFORD)

PLYMOUTH

DONALD'S AIR PARK INC (7NC) 8 SE UTC-5(-4DT) N35°44.01' W76°40.18'

CHARLOTTE

18 S5 FUEL JET A1+ NOTAM FILE RDU

Not insp.

RWY 04-22: 4000X100 (TURF) LIRL (NSTD)

RWY 04: Trees.

RWY 22: Thld dsplcd 800'.

AIRPORT REMARKS: Attended Mon-Sat 1300-2200Z†, Sun 1800-2200Z†. Heavy agricultural acft ops Mar-Nov. A and P avbl. Rwy 22 has marked pline at thld. Rwy 04-22 NSTD LIRL due to spacing of rwy lgts. ACTIVATE NSTD LIRL Rwy 04-22 call 252-809-9010.

COMMUNICATIONS: CTAF 122.9

PLYMOUTH MUNI (PMZ) 2 S UTC-5(-4DT) N35°48.65' W76°45.50'

CHARLOTTE

39 B FUEL 100LL, JET A1+ NOTAM FILE RDU

H-9C, 12H, L-35C

RWY 03-21: H5500X75 (ASPH) S-25 MIRL

IAP

RWY 03: REIL. PAPI(P2L)—GA 4.0° TCH 30'. Trees.

RWY 21: REIL. PAPI(P2L)—GA 4.0° TCH 30'. Trees.

AIRPORT REMARKS: Attended 1300-2200Z†. For fuel after hrs call 252-793-9801. Deer activity in vof arpt. Arpt located 4.3 NM W of military restricted area. Safety problem due to fast military acft crossing arpt below 3000' MSL enroute to restricted area. Crossings are unannounced. There are 17 based acft located adjacent to the arpt with twy access to ramp. Rwy 21 PAPI unusable byd 8° right of centerline. ACTIVATE MIRL Rwy 03-21, REIL Rwy 03 and Rwy 21 and PAPI Rwy 03 and PAPI Rwy 21—CTAF.

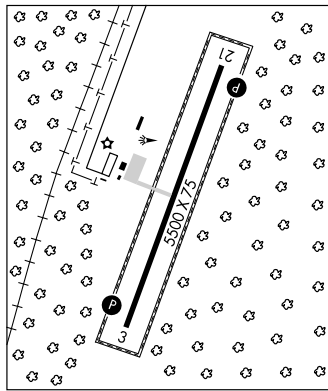
COMMUNICATIONS: CTAF/UNICOM 122.8

WASHINGTON CENTER APP/DEP CON 135.5

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

COFIELD (L) VORTAC 114.6 CVI Chan 93 N36°22.37'

W76°52.29' 180° 34.1 NM to fld. 70/09W.



APP CRS	Rwy Idg	5500
027°	TDZE	39
	Apt Elev	39

GPS RWY 3
PLYMOUTH MUNI (PMZ)

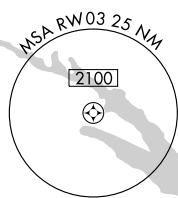
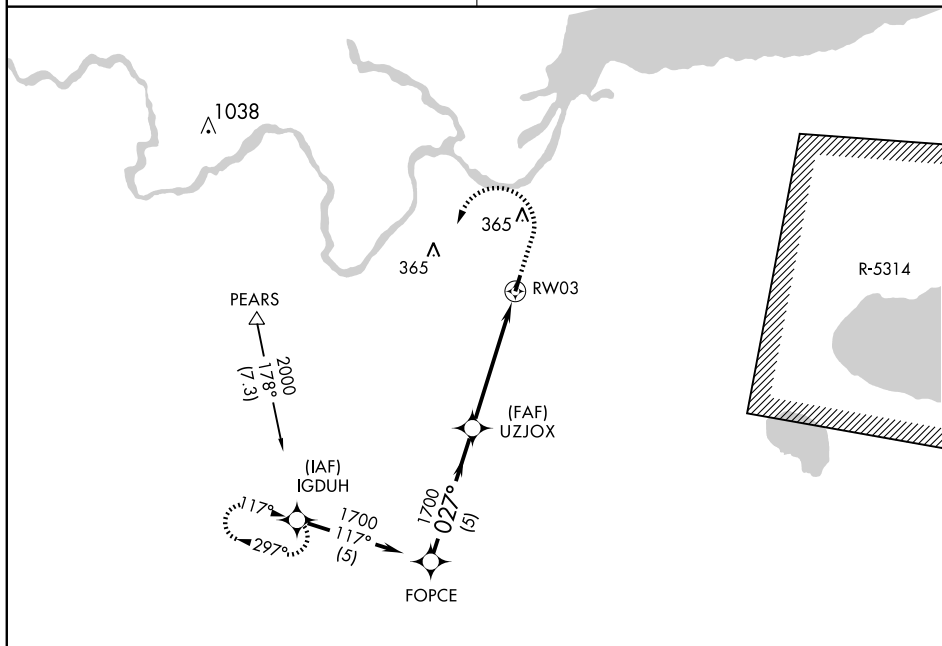


Use New Bern altimeter setting.

MISSED APPROACH: Climb to 1000 then climbing
left turn to 2000 direct IGDUH WP and hold.

WASHINGTON CENTER
135.5 281.42

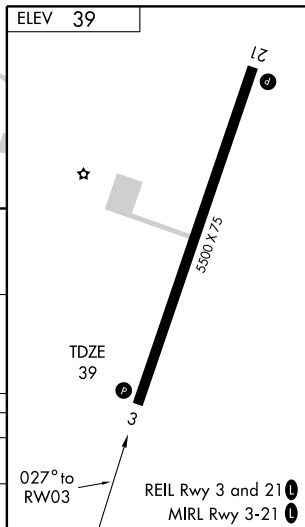
UNICOM
122.8 (CTAF) 0



Procedure	FOFCE	UZJOX	1000	2000	IGDUH
Turn NA	1700	1700	↑	↶	✱

	5 NM		5.1 NM	
			RWY03	

CATEGORY	A	B	C	D
S-3	520-1	481 (500-1)	520-1¼ 481 (500-1¼)	NA
CIRCLING	600-1	561 (600-1)	600-1½ 561 (600-1½)	NA



APP CRS
207°

Rwy Idg **5500**
TDZE **39**
Apt Elev **39**

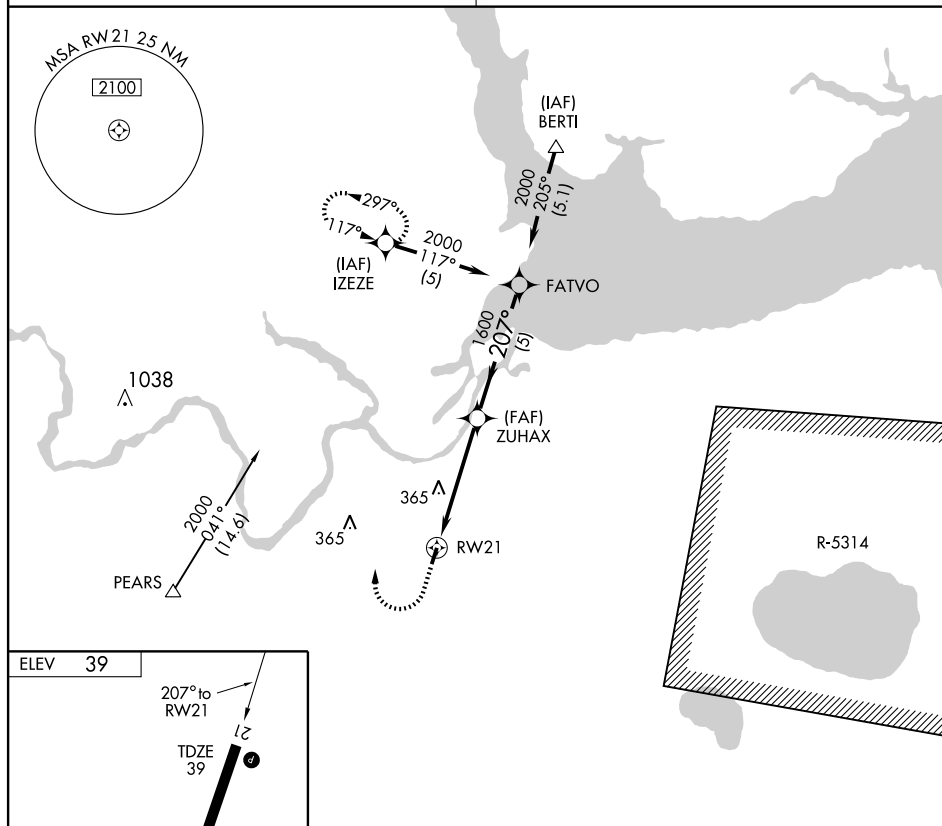
GPS RWY 21
PLYMOUTH MUNI (PMZ)

NA Use New Bern altimeter setting.

MISSED APPROACH: Climb to 1000 then climbing right turn to 2000 direct IZEZE WP and hold.

WASHINGTON CENTER
135.5 281.42

UNICOM
122.8 (CTAF)



ELEV **39**

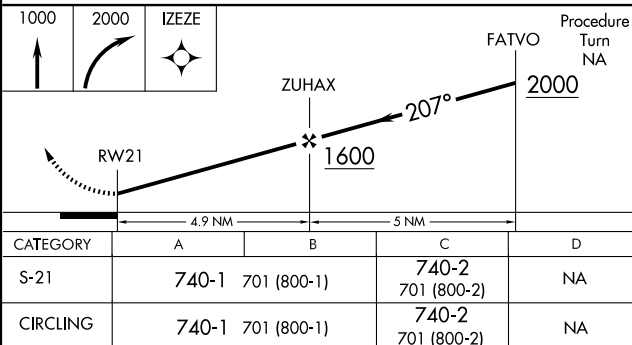
207° to RW21

TDZE
39

5500 X 75

3

REIL Rwy 3 and 21
MIRL Rwy 3-21



CONTINUED FROM PRECEDING PAGE

AIRSPACE: CLASS C svc ctc APP CON

RADIO AIDS TO NAVIGATION: NOTAM FILE POB.

(L) TACAN Chan 85 POB (113.8) N35°10.11' W79°01.18' at fld. 240/7W. No NOTAM MP Thu 1300–1600Z.

TACAN azimuth unusable:

byd 30 NM blo 4,000'

331°–339° byd 17 NM

136°–151°

340°–358° byd 17 NM blo 4,000'

186°–191°

NDB (HW) 338 POB N35°13.61' W78°57.26' 228° 4.5 NM to fld. No NOTAM MP Fri 1300–1400Z.

ILS 110.9 I-POB Rwy 23. No NOTAM MP localizer Mon 1300–1600Z, glide slope Tue 1300–1600Z.

ATC protects FAA-defined ILS critical zone.

MLS Y Chan 622 M-PPN Rwy 23. No NOTAM MP Fri 1300–1600Z. Unusable 268°–188° byd 15 NM and 268°–188° blo 1.8°.

POTTERS HILL

EAGLES NEST

(6N9) 0 SW UTC–5(–4DT) N34°58.93' W77°41.90'

CHARLOTTE

115 NOTAM FILE RDU

RWY 13–31: 1850X75 (TURF)

RWY 13: Trees.

RWY 31: Road.

AIRPORT REMARKS: Unattended. VFR only. Rwy 13 +6' bushes 10' from thld on centerline. Rwy 13–31 marked with yellow cones. Arpt is under several military VR routes. Jet acft cross arpt under 500' in excess of 200 knots.

COMMUNICATIONS: CTAF 122.9

RAEFORD

PK AIRPARK

(5W4) 3 NE UTC–5(–4DT) N35°01.19' W79°11.46'

CHARLOTTE

304 B FUEL 100LL, JET A+ NOTAM FILE RDU

RWY 04–22: H3402X60 (ASPH) S–30 MIRE 0.4% up NE

RWY 04: Trees.

RWY 22: Trees. Rgt tfc.

AIRPORT REMARKS: Attended 1300Z–dusk. CAUTION —Low flying military acft in area; arpt located within a military ops area. Frequent parachute activity to target 300 ft SE of terminal apron. Acft in vicinity monitor 123.5. Monitor frequency 123.5 for parachute jumping activity. Fly 1 mile wide down wind leg to prevent conflicts with parachute jumping activity (Drop Zone SE from rwy.) Contact FSS prior to landing.

COMMUNICATIONS: CTAF/UNICOM 123.0

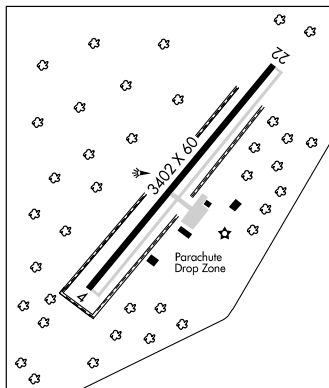
® FAYETTEVILLE APP/DEP CON 127.8

RADIO AIDS TO NAVIGATION: NOTAM FILE FAY.

FAYETTEVILLE (L) VOR/DME 108.8 FAY Chan 25 N34°59.13' W78°52.50' 282° 15.7 NM to fld. 179/04W.

L–35A, 36F

IAP



RALEIGH

TRIPLE W

(5W5) 11 SW UTC–5(–4DT) N35°37.22' W78°42.02'

CHARLOTTE

244 B S4 NOTAM FILE RDU

RWY 16–34: H3004X40 (ASPH) LIRL (NSTD)

RWY 16: Trees.

RWY 34: Trees.

AIRPORT REMARKS: Attended irregularly. Rwy 16–34 PAEW parallel twy. All acft over 6500 lbs. prohibited. Twr (500 AGL/826' MSL) approximately 1.75 NM NW of arpt. Be alert for rising terrain all quadrants. Rwy 16–34 has 4' dropoff 20' from pavement edge all sides. Twy not lgtd. 4 foot dropoff taxiway edge both sides—S end. Rwy 16–34 NSTD LIRL lgts 15 ft from edge of rwy; Rwy 16 thld lgts 150' from thld, Rwy 34 thld lgts 460' from thld. ACTIVATE LIRL—CTAF.

COMMUNICATIONS: CTAF/UNICOM 122.7

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

RALEIGH/DURHAM (H) VORTACW 117.2 RDU Chan 119 N35°52.35' W78°47.00' 169° 15.6 NM to fld. 429/04W.

L–35B, 36F

VOR/DME FAY 108.8 Chan 25	APP CRS 282°	Rwy Idg TDZE Apt Elev 304	N/A N/A
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VOR/DME or GPS-A

RAEFORD/P K AIRPARK (5W4)

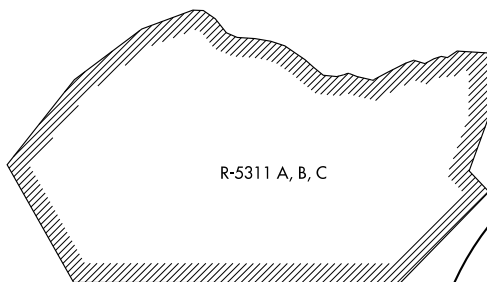


Use Fayetteville altimeter setting.

MISSED APPROACH: Climbing left turn to 3000
via FAY R-271 to RAEFO 25 DME and hold.

FAYETTEVILLE APP CON
127.8 295.0

UNICOM
123.0 (CTAF)



(MAHYA)

RAEFO FAY [25]

FAY R-271

INJUN FAY [12]

1500 282° (5)

KAYCE FAY [7]

2000 282° (7)

IAF
FAYETTEVILLE
108.8 FAY
Chan 25

FAY [25] Arc

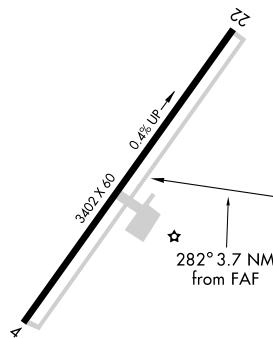
(IAF)
(OCIRY)

MSA FAY 25 NM

[2300]

1250

ELEV 304

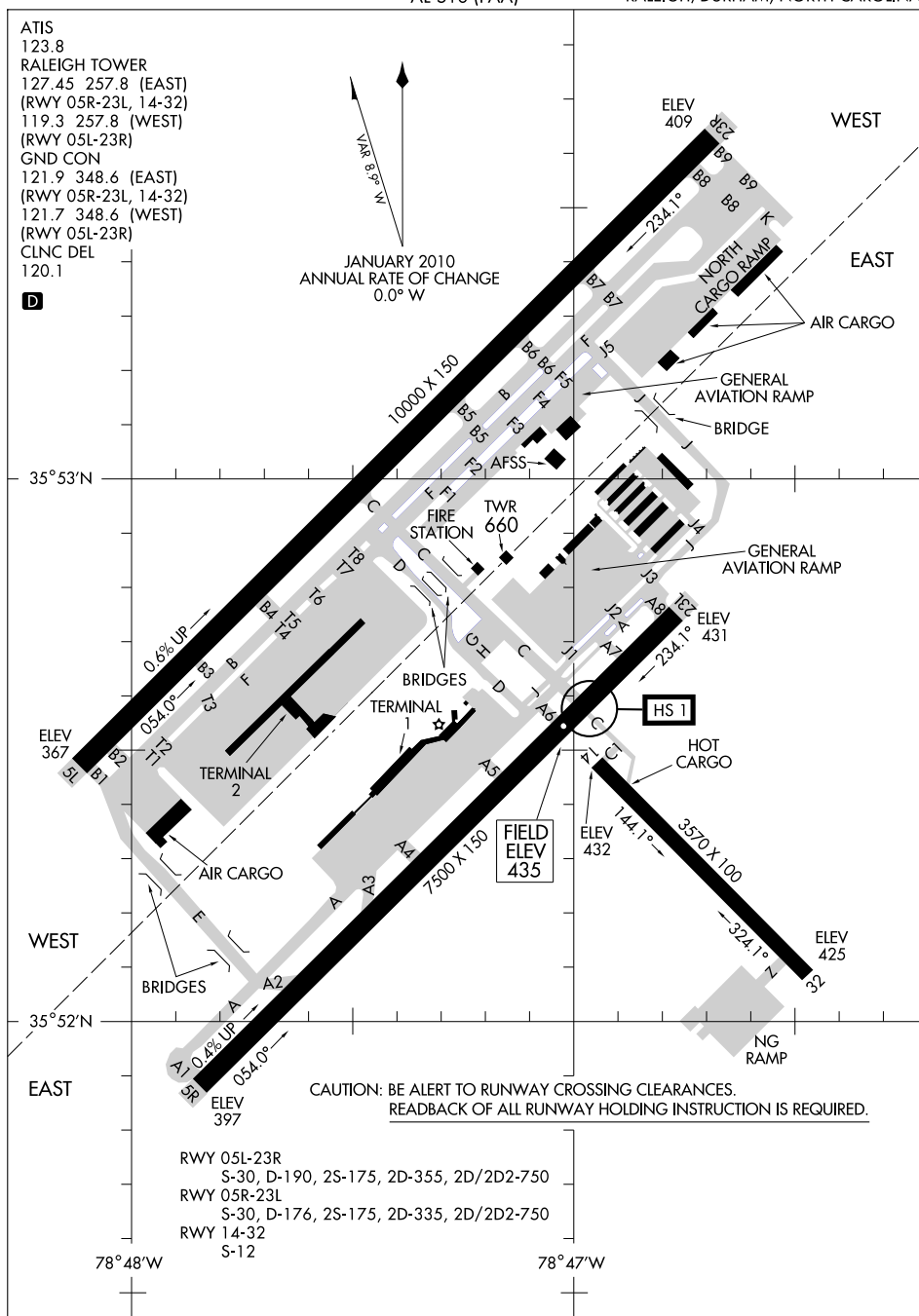


282° 3.7 NM
from FAF

MRL Rwy 4-22

3000	RAEFO FAY [25]	KAYCE FAY [7]	VOR/DME
FAY R-271 108.8	INJUN FAY [12]	282°	2000
(MAHYA) FAY [15.7]	1500	2000	Procedure Turn NA
3.7 NM	5 NM	7 NM	
CATEGORY	A	B	C
CIRCLING	820-1 516 (600-1)	820-1½ 516 (600-1½)	NA

SE-2, 21 OCT 2010 to 18 NOV 2010



SE-2. 21 OCT 2010 to 18 NOV 2010

RALEIGH-DURHAM INTL (RDU) 9 NW UTC-5(-4DT) N35°52.66' W78°47.25'

435 B S4 FUEL 100LL, JET A OX 1, 2 LRA Class I, ARFF Index D

CHARLOTTE

H-9C, 12H, L-36F

IAP, AD

NOTAM FILE RDU

RWY 05L-23R: H10000X150 (CONC-WC) S-30, D-190, 2S-175,

2D-355, 2D/2D2-750 HIRL CL

RWY 05L: MALS. TDZL. PAPI(P4L)—GA 3.0° TCH 72'. 0.6% up.

RWY 23R: ALSF2. TDZL. PAPI(P4L)—GA 3.0° TCH 68'. Rgt tfc.

RWY 05R-23L: H7500X150 (ASPH-GRVD) S-30, D-176, 2S-175,

2D-335, 2D/2D2-750 HIRL CL 0.4% up NE

RWY 05R: MALS. PAPI(P4L)—GA 3.0° TCH 55'. Rgt tfc.

RWY 23L: MALS. TDZL VASI(V4L)—GA 3.0° TCH 55'.

RWY 14-32: H3570X100 (ASPH) S-12, MIRL

RWY 32: REIL. VASI(V4L)—GA 3.5° TCH 29'. Trees.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 05L: TORA-10000 TODA-10000 ASDA-10000 LDA-10000

RWY 05R: TORA-7500 TODA-7500 ASDA-7500 LDA-7500

RWY 23L: TORA-7500 TODA-7500 ASDA-7500 LDA-7500

RWY 23R: TORA-10000 TODA-10000 ASDA-10000 LDA-10000

AIRPORT REMARKS: Attended continuously. Arpt CLOSED to airships.

Four engine acft with wingspan over 171' and group V must use

Rwy 05L-23R. Rwy 05L-23R southwest 3000' ungrooved and

northeast 3000' ungrooved. Crane 75' AGL .76 NM from AER

05R. PPR for all military acft and unscheduled charter flights with 30 or more passengers. Military practice

approaches require approval 24 hours prior notice required. Contact arpt ops. Rwy 05R touchdown and rollout

rwy visual range avbl. Rwy 23L touchdown and rollout rwy visual range avbl. Touchdown rwy visual range and rwy

visibility value available Rwy 23L. Twy F between Twy T1 and T4 clsd to acft with wingspan greater than 135'. No

jet engine maintenance runs between 0500-1100Z. National Guard 24 hr PPR for jet acft and transit military

acft—919-840-2111. No approval required for pushback at terminal gates unless acft reqs use of twy. Ctc ATC

prior to pushing onto twy. Twy E behind south Cargo 4 and Twy J behind corporate hangars not visible from twr.

Visibility of bcn shielded to the North. Flight Notification Service (ADCUS) avbl.

WEATHER DATA SOURCES: ASOS (919) 840-0816. LLWAS. TDWR.**COMMUNICATIONS:** D-ATIS 123.8 UNICOM 122.95

RALEIGH FSS (RDU) on arpt.

RCO 122.65 122.45 122.2 (RALEIGH RADIO)

Ⓡ APP CON 128.3 (230°-024°) 124.95 (025°-229°)

Ⓡ DEP CON 132.35 (230°-024°) 125.3 (025°-229°)

TOWER 119.3 (West) Rwy 05L-23R 127.45 (East) Rwy 05R-23L and Rwy 14-32

GND CON 121.9 (East) Rwy 05R-23L and Rwy 14-32 121.7 (West) Rwy 05L-23R CLNC DEL 120.1

AIRSPACE: CLASS C svc continuous ctc APP CON**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.

(H) VORTACW 117.2 RDU Chan 119 N35°52.35' W78°47.00' at fld. 429/04W.

LEEVEY NDB (HW/LOM) 350 LE N35°55.63' W78°43.32' 234° 4.4 NM to fld.

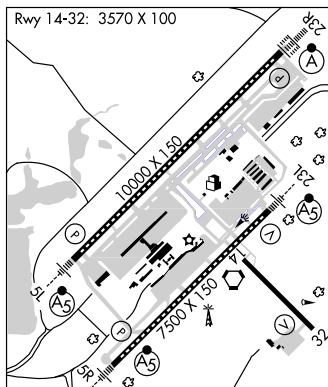
GREON NDB (LOM) 382 RD N35°47.82' W78°52.98' 051° 6.7 NM to fld. Unmonitored.

ILS/DME 109.1 I-GKK Chan 28 Rwy 05L. Class IA.

ILS 109.5 I-RDU Rwy 05R. Class IE. LOM GREON NDB. LOM unmonitored.

ILS 108.5 I-LEI Rwy 23L. Class IA. LOM LEEVEY NDB. LOC unusable within 2.0 NM from thld.

ILS/DME 111.7 I-DMP Chan 54 Rwy 23R. Class IIE. Inner Marker unmonitored. LOC unusable by 20° right of course.

**RALEIGH EXEC JETPORT AT SANFORD-LEE CO (See Sanford)****RAPIDS** N36°26.46' W77°42.50' NOTAM FILE RZZ.

NDB (MHW) 407 RZZ at Halifax Co.

WASHINGTON

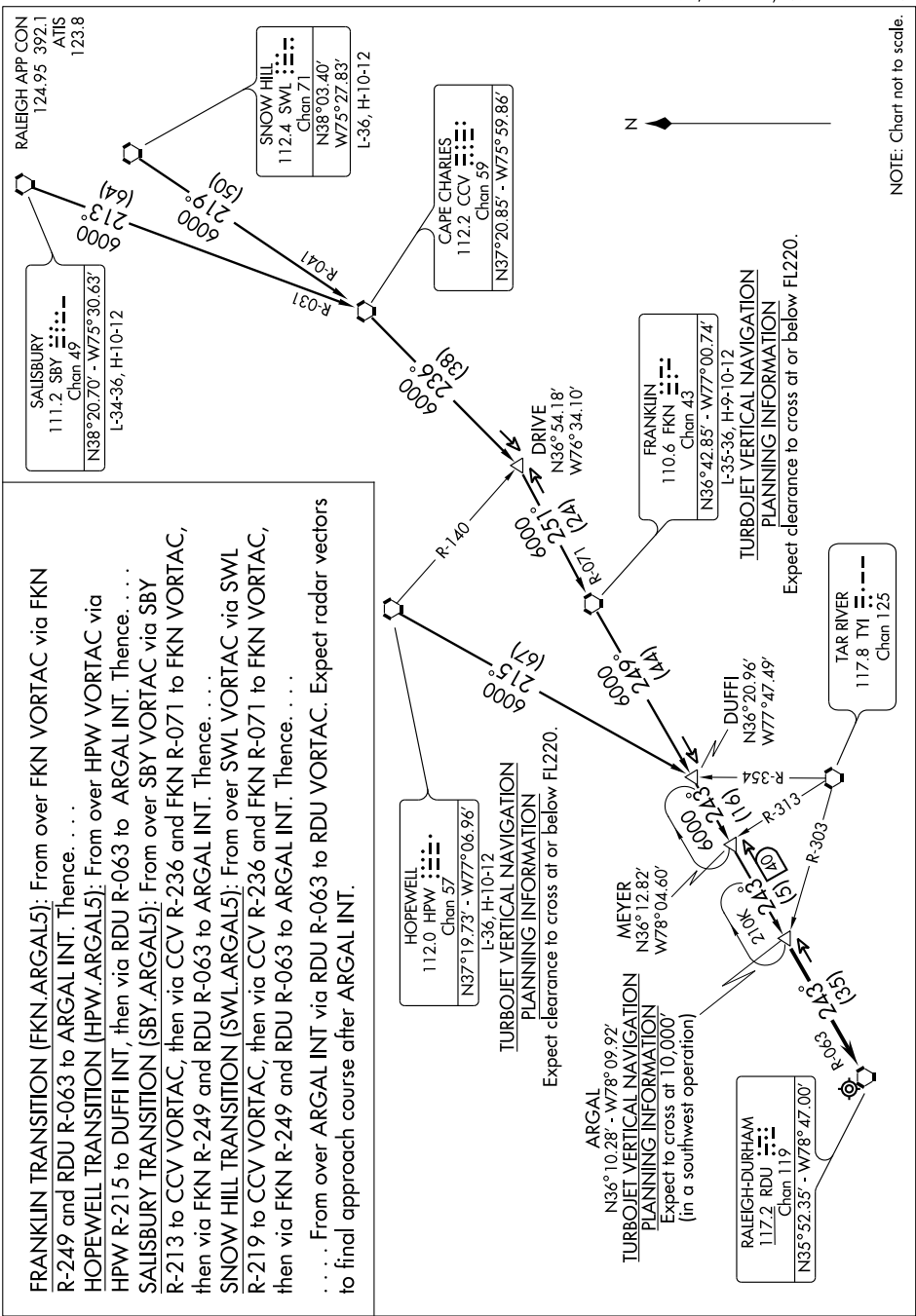
L-35C, 36G

REENO N36°04.26' W80°10.01' NOTAM FILE INT.

NDB (LOM) 317 IN 332° 4.6 NM to Smith-Reynolds. (Unmonitored when tower closed).

CINCINNATI

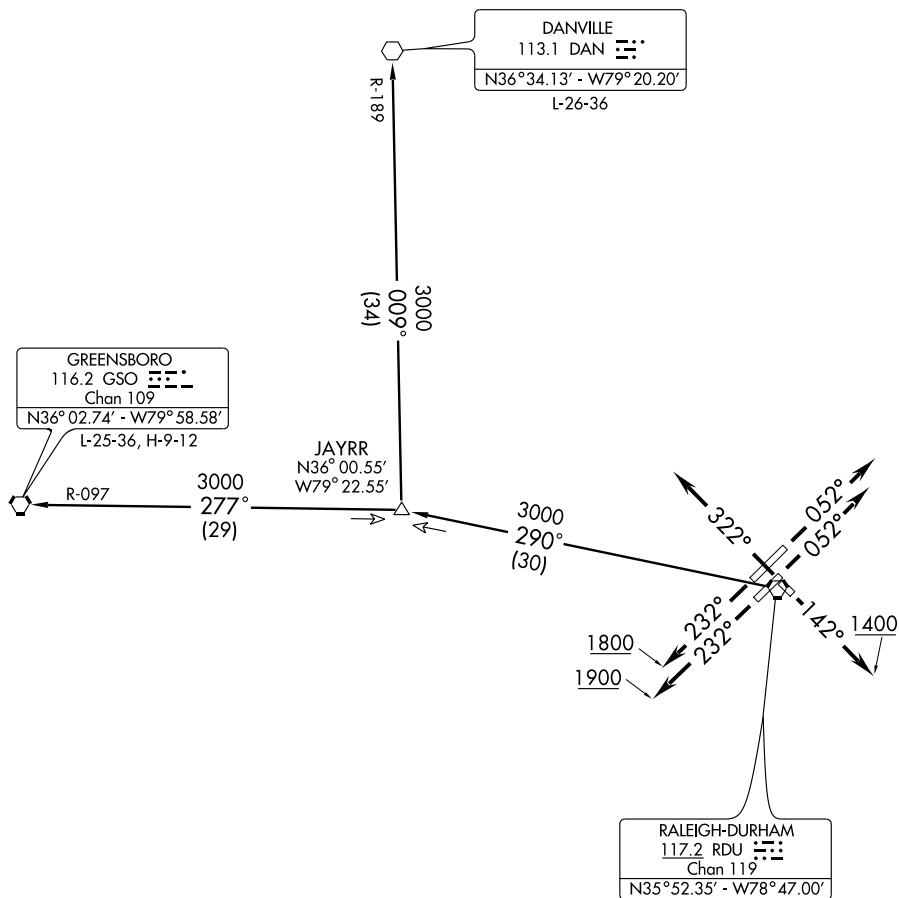
L-25D, 36F



SE-2, 21 OCT 2010 to 18 NOV 2010

BLUE DEVIL FOUR DEPARTURE

ATIS 123.8
CLNC DEL
120.1
RALEIGH DEP CON
132.35 256.9



TAKEOFF MINIMUMS:

Rwys 5L, 5R, 14, 23L, 23R, STANDARD.
Rwy 32: 300-1

NOTE: Turbojets not authorized.

NOTE: Radar Required.

NOTE: Chart not to scale.

(Continued on next page)

BLUE DEVIL FOUR DEPARTURE

BLUE DEVIL FOUR DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 5L: Climb heading 052°, thence....

TAKE-OFF RWY 5R: Climb heading 052°, thence....

TAKE-OFF RWY 14: Climb heading 142° to 1400, thence....

TAKE-OFF RWY 23L: Climb heading 232° to 1900, thence....

TAKE-OFF RWY 23R: Climb heading 232° to 1800, thence....

TAKE-OFF RWY 32: Climb heading 322°, thence....

....or as assigned for vectors to assigned transition. Expect clearance to filed altitude/flight level ten minutes after departure.

DANVILLE TRANSITION (BLUE4.DAN): From over RDU VORTAC via RDU R-290 to JAYRR INT then via DAN R-189 to DAN VOR.

GREENSBORO TRANSITION (BLUE4.GSO): From over RDU VORTAC via RDU R-290 to JAYRR INT then via GSO R-097 to GSO VORTAC.

TAKE-OFF OBSTACLE NOTES:

Rwy 5L: Tree 2011 feet from DER, 949 feet right of centerline, 80 feet AGL/469 feet MSL. Tree 3802 feet from DER, 1238 feet left of centerline, 77 feet AGL/506 MSL. Tank 4046 feet from DER, 1578 feet right of centerline, 138 feet AGL/547 feet MSL.

Rwy 5R: Tree 1437 feet from DER, 803 feet right of centerline, 80 feet AGL/469 feet MSL.

Rwy 14: Multiple trees beginning 2021 feet from DER, 510 feet left of centerline, up to 122 feet AGL/571 feet MSL. Multiple trees beginning 2468 feet from DER, 1 foot right of centerline, up to 110 feet AGL/559 MSL.

Rwy 23L: Tree 1496 from DER, 797 feet left of centerline, 58 feet AGL/447 feet MSL. LT Pole 1458 feet from DER, 878 feet right of centerline, 93 feet AGL/452 feet MSL.

Rwy 32: Multiple poles 1170 feet from DER, 634 feet left centerline, up to 47 feet AGL/486 feet MSL. Antenna 1243 feet from DER, 754 feet right of centerline, 34 feet AGL/473 feet MSL. Control tower and antenna 2207 feet from DER, 911 feet right of centerline, 221 feet AGL/660 feet MSL.

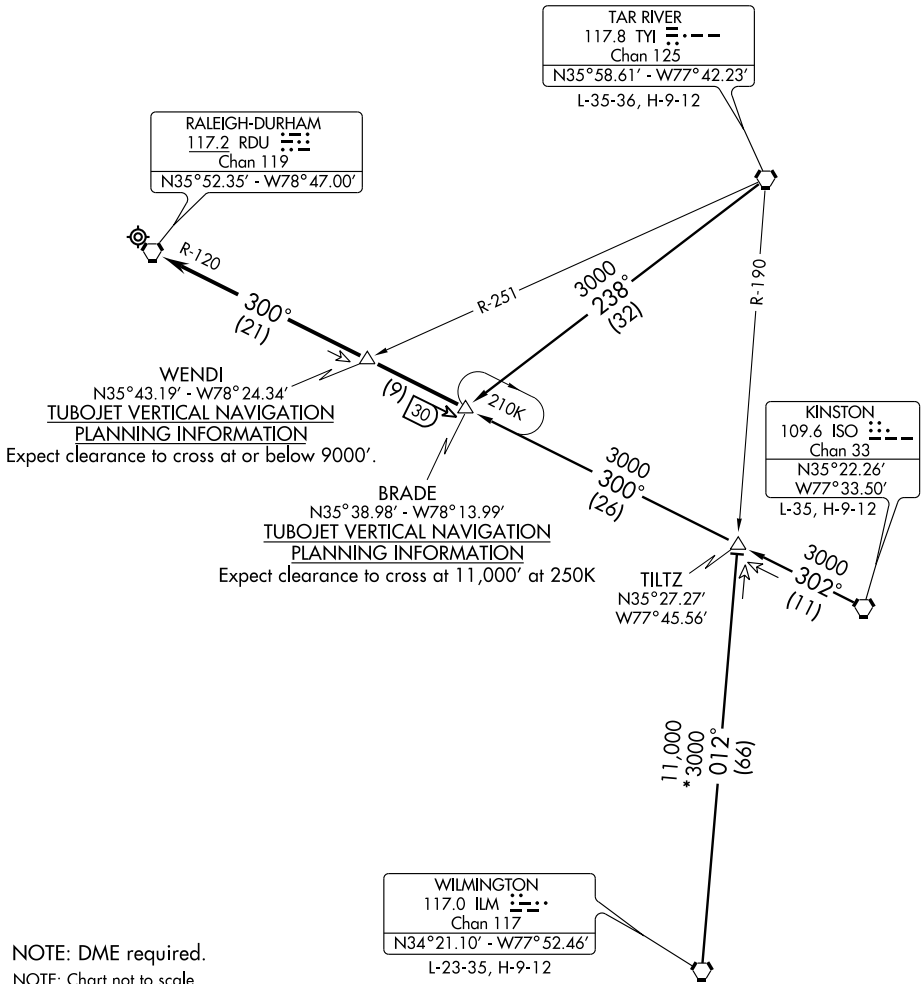
SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

BRADE FIVE ARRIVAL (BRADE.BRADE5)

RALEIGH/DURHAM, NORTH CAROLINA

RALEIGH APP CON
124.95 392.1
ATIS 123.8



KINSTON TRANSITION (ISO.BRADE5): From over ISO VORTAC via ISO R-302 and RDU R-120 to BRADE INT. Thence

TAR RIVER TRANSITION (TYI.BRADE5): From over TYI VORTAC via TYI R-238 to BRADE INT. Thence

WILMINGTON TRANSITION (ILM.BRADE5): From over ILM VORTAC via ILM R-012 and RDU R-120 to BRADE INT. Thence

. . . . From over BRADE INT via RDU R-120 to RDU VORTAC. Expect radar vectors to final approach course after WENDI INT.

BRADE FIVE ARRIVAL (BRADE.BRADE5)

RALEIGH/DURHAM, NORTH CAROLINA

RALEIGH-DURHAM INTL

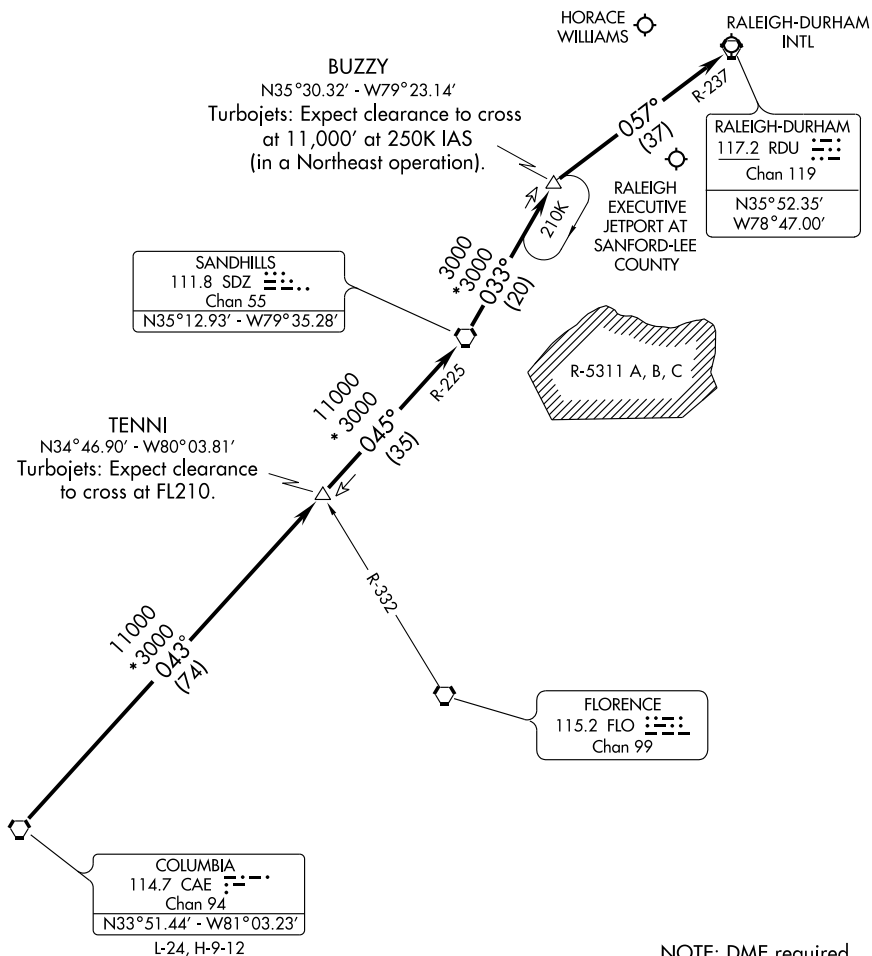
BUZZY SIX ARRIVAL

RALEIGH/DURHAM, NORTH CAROLINA

RALEIGH APP CON
128.3 307.9
RALEIGH-DURHAM ATIS
123.8

PERSON COUNTY

HENDERSON-
OXFORD



From over Columbia (CAE) via CAE R-043 and Sandhills (SDZ) R-225 to SDZ.
Thence via SDZ R-033 to BUZZY INT. Thence via Raleigh-Durham (RDU)
R-237 to RDU. Expect radar vectors to final approach course after BUZZY INT.

BUZZY SIX ARRIVAL

RALEIGH/DURHAM, NORTH CAROLINA

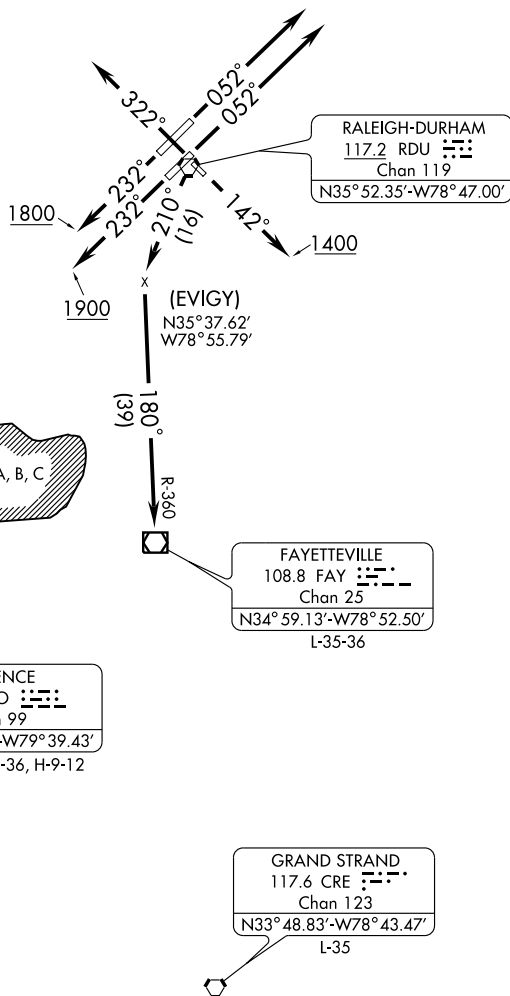
(FAY3.FAY) 10154

SL-516 (FAA)

RALEIGH-DURHAM INTL (RDU)
RALEIGH-DURHAM, NORTH CAROLINA

FAYETTEVILLE THREE DEPARTURE

ATIS 123.8
CLNC DEL
120.1
RALEIGH DEP CON
125.3 353.675



TAKE-OFF MINIMUMS:

Rwys 5L, 5R, 14, 23L, 23R, Standard
Rwy 32: 300-1.

NOTE: RADAR Required.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

FAYETTEVILLE THREE DEPARTURE

(FAY3.FAY) 10154

RALEIGH-DURHAM, NORTH CAROLINA
RALEIGH-DURHAM INTL (RDU)

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

FAYETTEVILLE THREE DEPARTURE

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 5L: Climb heading 052°, thence....

TAKE-OFF RWY 5R: Climb heading 052°, thence....

TAKE-OFF RWY 14: Climb heading 142° to 1400, thence...

TAKE-OFF RWY 23L: Climb heading 232° to 1900, thence...

TAKE-OFF RWY 23R: Climb heading 232° to 1800, thence...

TAKE-OFF RWY 32: Climb heading 322°, thence....

....or as assigned for vectors to join RDU R-210 thence via RDU R-210 and FAY R-360 to FAY VOR/DME then via assigned route. Expect clearance to filed altitude/flight level ten minutes after departure.

TAKE-OFF OBSTACLES

NOTE: Rwy 5L, Tree 2,011 feet from DER, 949 feet right of centerline, 80 feet AGL/469 feet MSL. Tree 3,802 feet from DER, 1,238 feet left of centerline, 77 feet AGL/506 feet MSL. Tank 4,046 feet from DER, 1,578 feet right of centerline, 138 feet AGL/547 feet MSL.

NOTE: Rwy 5R, Tree 1,437 feet from DER, 803 feet right of centerline, 80 feet AGL/469 feet MSL.

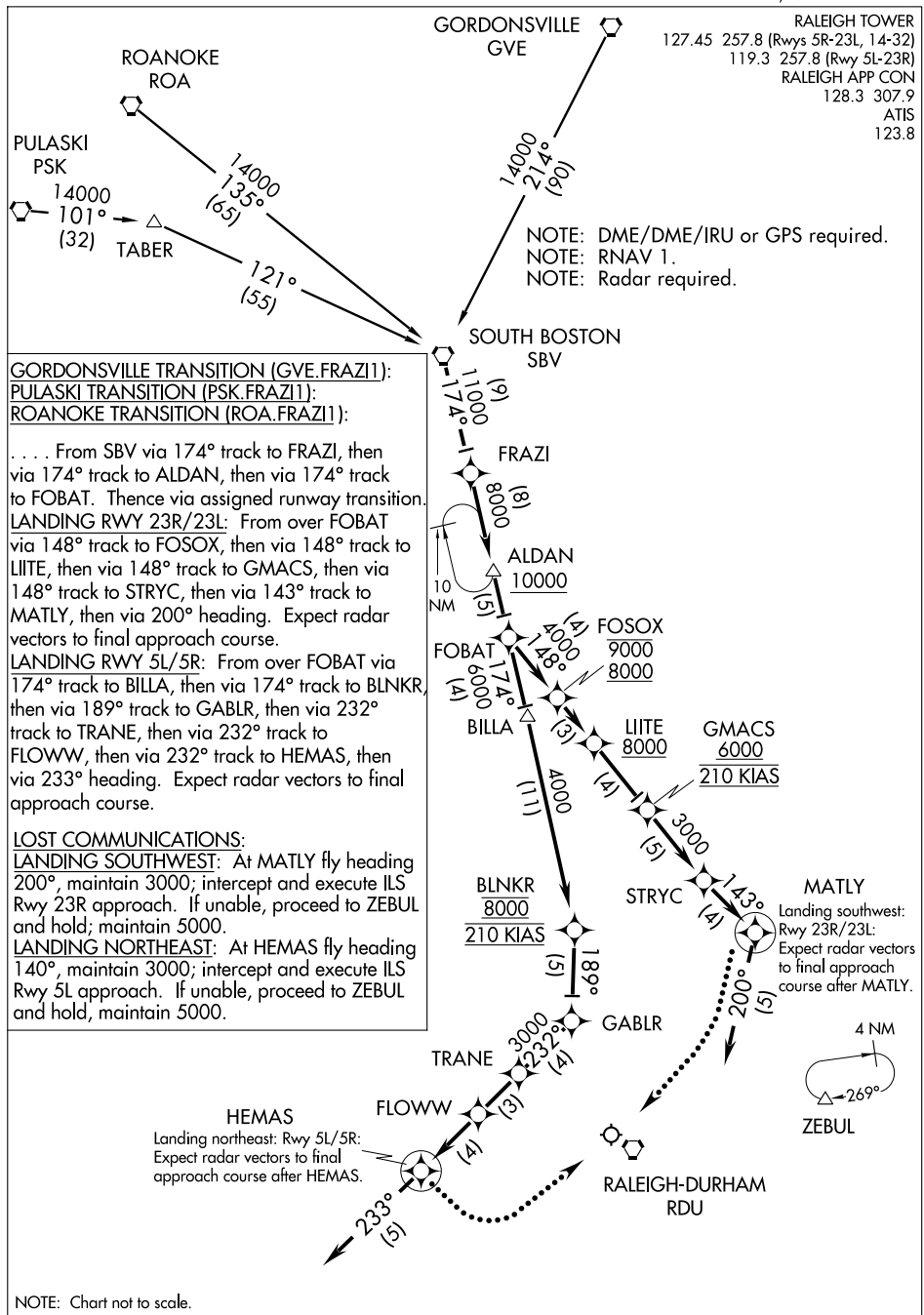
NOTE: Rwy 14, Multiple trees beginning 2,021 feet from DER, 510 feet left of centerline, up to 122 feet AGL/571 feet MSL. Multiple trees beginning 2,468 feet from DER, 1 foot right of centerline, up to 110 feet AGL/559 feet MSL.

NOTE: Rwy 23L, Tree 1,496 feet from DER, 797 feet left of centerline, 58 feet AGL/447 feet MSL. Lt pole 1,458 feet from DER 878 feet right of centerline, 93 feet AGL/452 feet MSL.

NOTE: Rwy 32, Multiple poles 1,170 feet from DER, 634 feet left of centerline, up to 47 feet AGL/486 feet MSL. Antenna 1,243 feet from DER, 754 feet right of centerline, 34 feet AGL/473 feet MSL. Control tower and antenna 2,207 feet from DER, 911 feet right of centerline, 221 feet AGL/660 feet MSL.

FRAZI ONE ARRIVAL (RNAV)

RALEIGH-DURHAM, NORTH CAROLINA



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

FRAZI ONE ARRIVAL (RNAV)

(SBV.FRAZI1) 10266

RALEIGH-DURHAM, NORTH CAROLINA

RALEIGH-DURHAM INTL

HOT SPOTS

An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION*
CHARLOTTE, NC		
CHARLOTTE/DOUGLAS INTL (CLT)	HS 1	Confusing int due to convergence of Twy R, Twy A, Twy C and Twy C9, along with grass island.
	HS 2	Pilots exiting Rwy 18C-36C on Twy S for either Twy E or Twy F mistakenly turn left on Twy E5 and re-enter the rwy.
RALEIGH/DURHAM, NC		
RALEIGH-DURHAM INTL (RDU)	HS 1	Int of Rwy 05R-23L and Twy C.

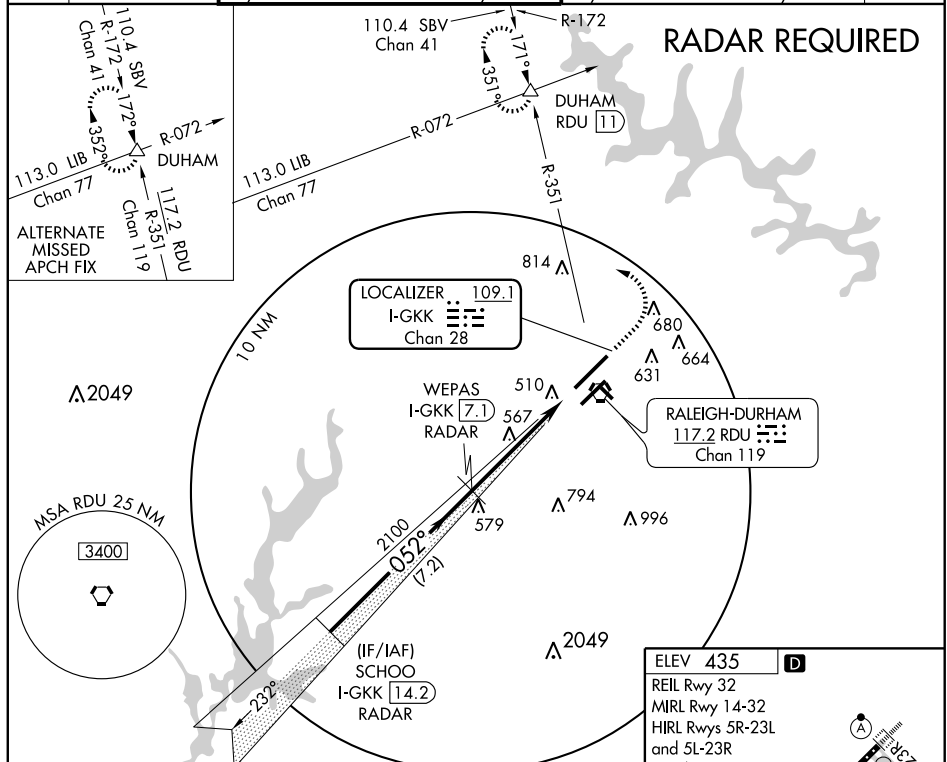
*See appropriate A/FD, Alaska or Pacific Supplement HOT SPOT table for additional information.

LOC/DME I-GKK 109.1 Chan 28	APP CRS 052°	Rwy Idg TDZE Apt Elev 10000 385 435
---	------------------------	---

ILS or LOC RWY 5L RALEIGH-DURHAM INTL (RDU)

DME or Radar required..		MALS 	MISSED APPROACH: Climb to 1000 then climbing left turn to 2100 via heading 310° and RDU R-351 to DUHAM INT/RDU 11 DME and hold.	
-------------------------	--	----------	---	--

ATIS	RALEIGH APP CON	(EAST) RALEIGH TOWER (WEST)	(EAST) GND CON (WEST)	CLNC DEL
123.8	128.3 307.9	127.45 257.8 Rwys 5R-23L and 14-32	119.3 257.8 Rwy 5L-23R	121.9 348.6 Rwys 5R-23L and 14-32
			121.7 348.6 Rwy 5L-23R	120.1



<div>SCHOO I-GKK [14.2] RADAR</div>		<div>WEPAS I-GKK [7.1] RADAR</div>		<div>1000 ↑</div>	<div>2100 hdg 310°</div>	<div>RDU R-351 117.2</div>	<div>DUHAM △</div>	<div>TDZ/CL Rwy's 23R, 23L and 5L</div>		
<div>3000</div>		<div>2100</div>		<div>I-GKK [3.3]</div>		<div>I-GKK [1.9]</div>		<div>052° 5.2 NM from FAF</div>		
<div>GS 3.00° TCH 57</div>		<div>VGSI and ILS glidepath not coincident.</div>								
<div>7.2 NM</div>		<div>3.8 NM</div>		<div>1.4 NM</div>						
CATEGORY	A		B		C		D			
S-ILS 5L	596/18 211 (200-½)									
S-LOC 5L	880/24 495 (500-½)		880/40 495 (500-¾)		880/50 495 (500-1)					
CIRCLING	960-1 525 (600-1)		960-1½ 525 (600-1½)		1060-2 625 (700-2)					

10000 X 150

7500 X 150

505 385

513±

482±

455±

5052

5132

4822

4552

FAF to MAP 5.2 NM

Knots



60 90 120 150 180

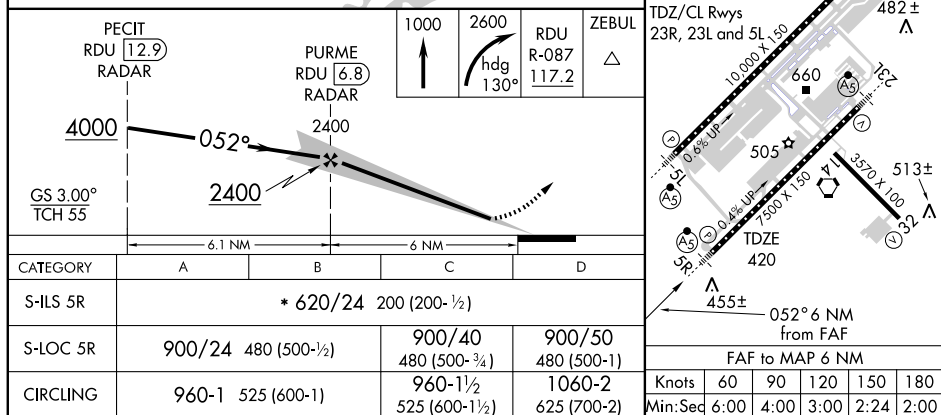
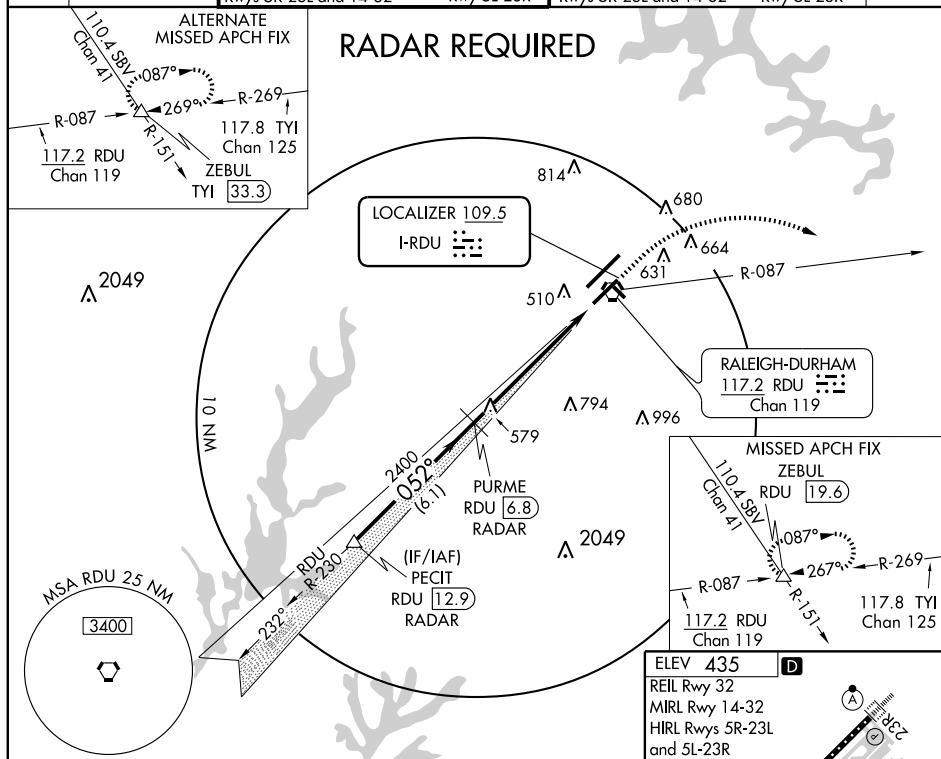
Min:Sec

5:12 3:28 2:36 2:05 1:44

LOC I-RDU <u>109.5</u>	APP CRS 052°	Rwy Idg 7500 TDZE 420 Apt Elev 435
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ILS or LOC RWY 5R
RALEIGH-DURHAM INTL (RDU)

	DME or Radar required. * RVR 1800 authorized with the use of FD or AP or HUD to DA.			MISSED APPROACH: Climb to 1000 then climbing right turn to 2600 via heading 130° and RDU VORTAC R-087 to ZEBUL INT/RDU 19.6 DME and hold.	
	ATIS 123.8	RALEIGH APP CON 128.3 307.9	(EAST) 127.45 257.8 Rwws 5R-23L and 14-32	RALEIGH TOWER (WEST) 119.3 257.8 Rwy 5L-23R	(EAST) 121.9 348.6 Rwws 5R-23L and 14-32
				CLNC DEL 120.1	



LOC I-LEI <u>108.5</u>	APP CRS 232°	Rwy Idg 7500 TDZE 435 Apt Elev 435
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ILS or LOC RWY 23L

RALEIGH-DURHAM INTL (RDU)

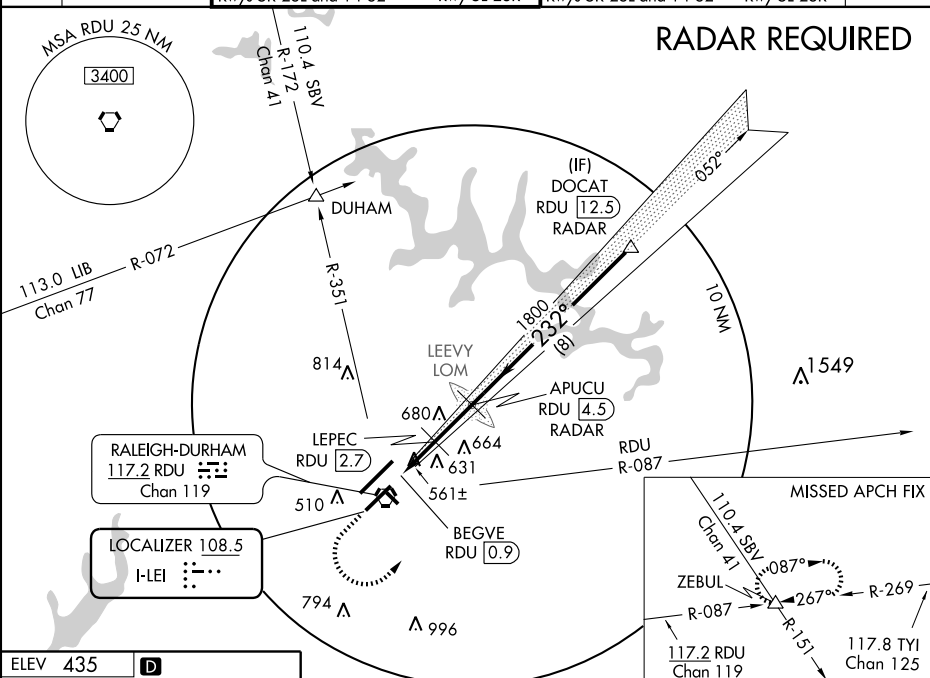


DME or Radar required.



MISSED APPROACH: Climb to 1000 then climbing left turn to 2600 via heading 050° and RDU VORTAC R-087 to ZEBUL INT and hold.

ATIS	RALEIGH APP CON	RALEIGH TOWER		GND CON		CLNC DEL
123.8	128.3 307.9	(EAST) 127.45 257.8 Rwys 5R-23L and 14-32	(WEST) 119.3 257.8 Rwy 5L-23R	(EAST) 121.9 348.6 Rwys 5R-23L and 14-32	(WEST) 121.7 348.6 Rwy 5L-23R	120.1



ELEV 435

REIL Rwy 32

MIRL Rwy 14-32

HIRL Rwys 5R-23L and 5L-23R

TDZ/CL Rwys 23R, 23L and 5L

10,000 X 150

660

505

7500 X 150

3570 X 100

482 ±

232 ±

513 ±

455 ±

0.8% UP

0.4% UP

4.1 NM from FAF

TDZE 435

FAF to MAP 3.6 NM

Knots	60	90	120	150	180
Min:Sec	3:36	2:24	1:48	1:26	1:12

1000 ↑	2600 hdg 050°	RDU R-087 117.2	ZEBUL △	APUCU RDU 4.5 RADAR	Localizer unusable from 0.5 NM from threshold.	DOCAT RDU 12.5 RADAR
<p>*2000 when authorized by ATC.</p> <p>LEPEC RDU 2.7</p> <p>BEGVE RDU 0.9</p> <p>1800</p> <p>232°</p> <p>4000*</p> <p>1200</p> <p>1800</p> <p>0.5</p> <p>1.8 NM</p> <p>1.8 NM</p> <p>8 NM</p> <p>GS 3.00°</p> <p>TCH 56</p>						
CATEGORY	A		B		C	D
S-ILS 23L			647/18		212 (300-½)	
S-LOC 23L	1200/24 765 (800-½)	1200/40 765 (800-¾)	1200-1¾ 765 (800-1¾)		1200-2 765 (800-2)	
CIRCLING	1200-1 765 (800-1)	1200-1¼ 765 (800-1¼)	1200-2¼ 765 (800-2¼)		1200-2½ 765 (800-2½)	
LEPEC FIX MINIMUMS						
S-LOC 23L	820/24 385 (400-½)				820/40 385 (400-¾)	
CIRCLING	960-1	525 (600-1)	960-1½ 525 (600-1½)		1060-2 625 (700-2)	

RALEIGH/DURHAM, NORTH CAROLINA

Amdt 8 09351

RALEIGH-DURHAM INTL (RDU)

ILS or LOC RWY 23L

35°53'N - 78°47'W

SE-2. 21 OCT 2010 to 18 NOV 2010

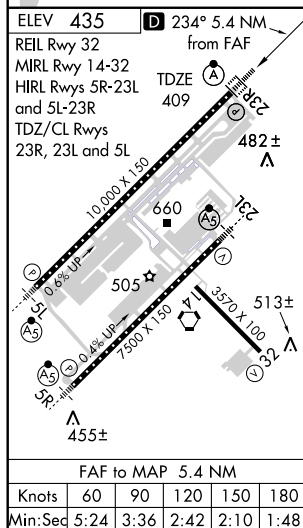
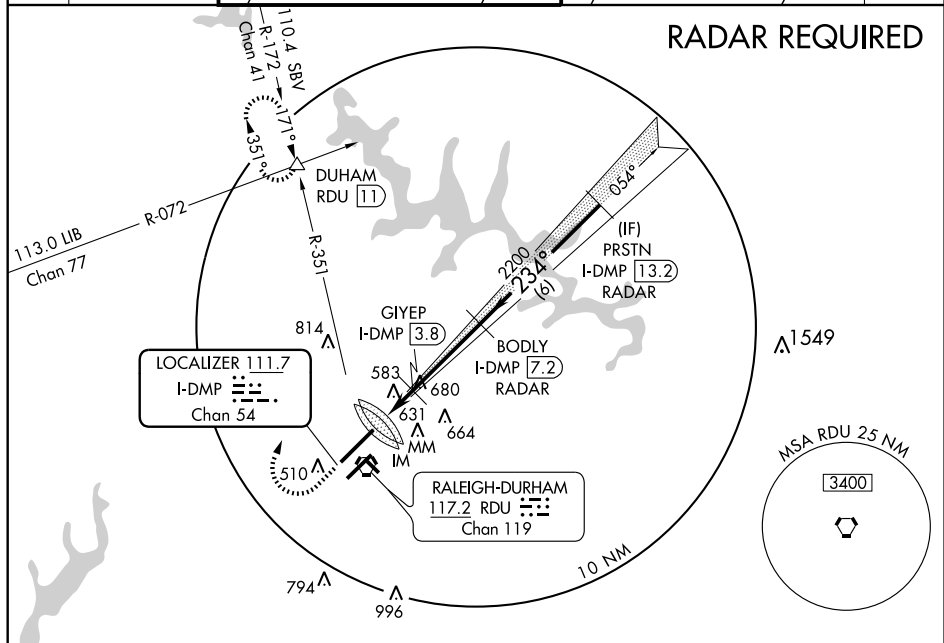
SE-2, 21 OCT 2010 to 18 NOV 2010

LOC/DME I-DMP 111.7 Chan 54	APP CRS 234°	Rwy Idg TDZE Apt Elev	10000 409 435
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ILS or LOC RWY 23R RALEIGH-DURHAM INTL (RDU)

<div><div><div></div><div></div></div><div>DME or Radar required.</div></div>			<div><div><div></div><div></div></div><div>ALS-F-2</div></div>		MISSED APPROACH: Climb to 1000 then climbing right turn to 2100 via heading 030° and RDU VORTAC R-351 to DUHAM INT/RDU 11 DME and hold.		
ATIS 123.8	RALEIGH APP CON 128.3 307.9	(EAST) RALEIGH TOWER (WEST) 127.45 257.8 Rwys 5R-23L and 14-32		(EAST) GND CON (WEST) 121.9 348.6 Rwys 5R-23L and 14-32		CLNC DEL 120.1	

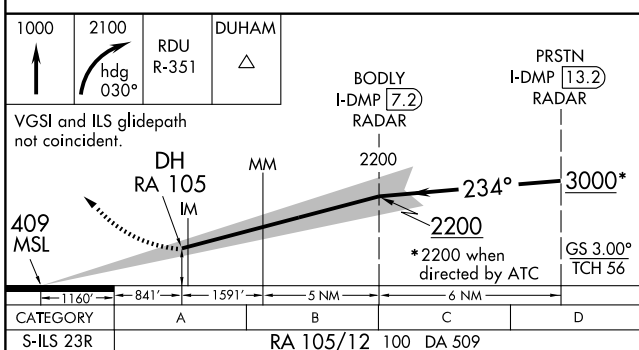
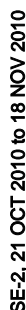
RADAR REQUIRED



ELEV 435	D 234° 5.4 NM from FAF	1000	2100	DUHAM	PRSTN
REIL Rwy 32	MIRL Rwy 14-32	TDZE 409	hdg 030°	RDU R-351	I-DMP 13.2
HIRL Rwys 5R-23L and 5L-23R	TDZ/CL Rwys 23R, 23L and 5L	482±	VGSI and ILS glidepath not coincident.	GIYEP I-DMP 3.8	RADAR
		660		BODLY I-DMP 7.2	**2200 when directed by ATC.
		505		2200	3000**
		3570 x 100		1160*	GS 3.00° TCH 56
		513±		2200	
		455±			
FAF to MAP 5.4 NM		CATEGORY			
Knots		A			
Min:Sec		B			
		C			
		D			
		609/18 200 (200-1/2)			
		S-ILS 23R			
		S-LOC 23R			
		CIRCLING			
		GIYEP FIX MINIMUMS			
		S-LOC 23R			
		CIRCLING			

ILS RWY 23R (CAT II)
RALEIGH-DURHAM INTL (RDU)

RADAR REQUIRED



CATEGORY II ILS - SPECIAL AIRCREW
& AIRCRAFT CERTIFICATION REQUIRED

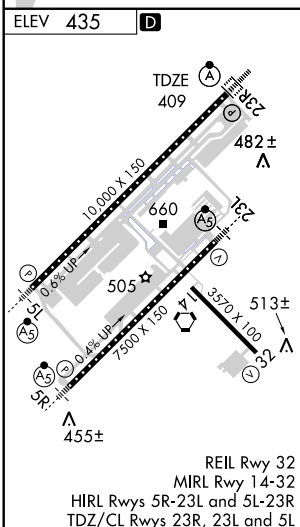
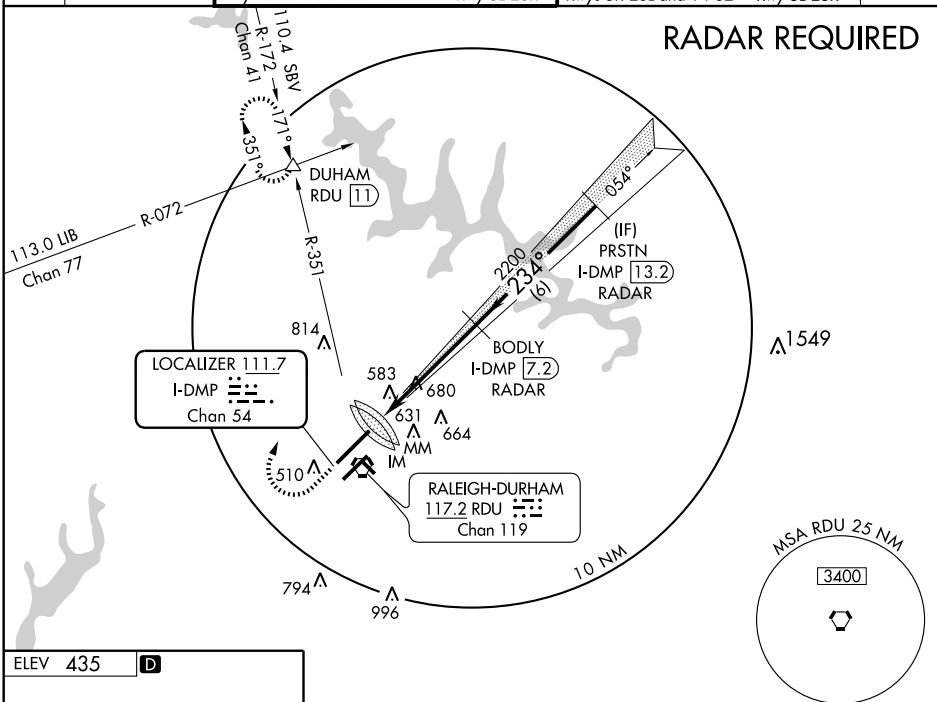
LOC/DME I-DMP 111.7 Chan 54	APP CRS 234°	Rwy Idg TDZE Apt Elev	10000 409 435
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ILS RWY 23R (CAT III)

RALEIGH-DURHAM INTL (RDU)

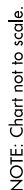
DME or Radar required.		ALSIF-2 	MISSED APPROACH: Climb to 1000 then climbing right turn to 2100 via heading 030° and RDU VORTAC R-351 to DUHAM INT/RDU 11 DME and hold.	
ATIS 123.8	RALEIGH APP CON 128.3 307.9	(EAST) RALEIGH TOWER (WEST) 127.45 257.8 Rwys 5R-23L and 14-32	119.3 257.8 Rwy 5L-23R	(EAST) GND CON (WEST) 121.9 348.6 Rwys 5R-23L and 14-32
				121.7 348.6 Rwy 5L-23R
				CLNC DEL 120.1

RADAR REQUIRED



1000	2100	RDU R-351	DUHAM	BODYLY I-DMP 7.2 RADAR	PRSTN I-DMP 13.2 RADAR
VGSi and ILS glidepath not coincident.		IM	MM	2200	3000*
409 MSL		510	591	2200	GS 3.00° TCH 56
1160'		877'	1555'	5 NM	6 NM
CATEGORY	A	B	C	D	
S-ILS 23R	CAT IIIa		RVR 07		
S-ILS 23R	CAT IIIb		RVR 06		
S-ILS 23R	CAT IIIc		NA		

CATEGORY III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED



NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: Radar required.

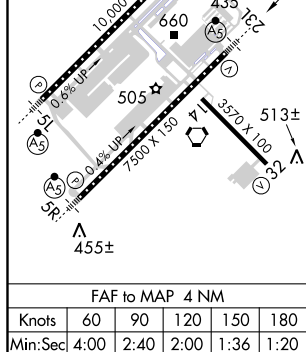
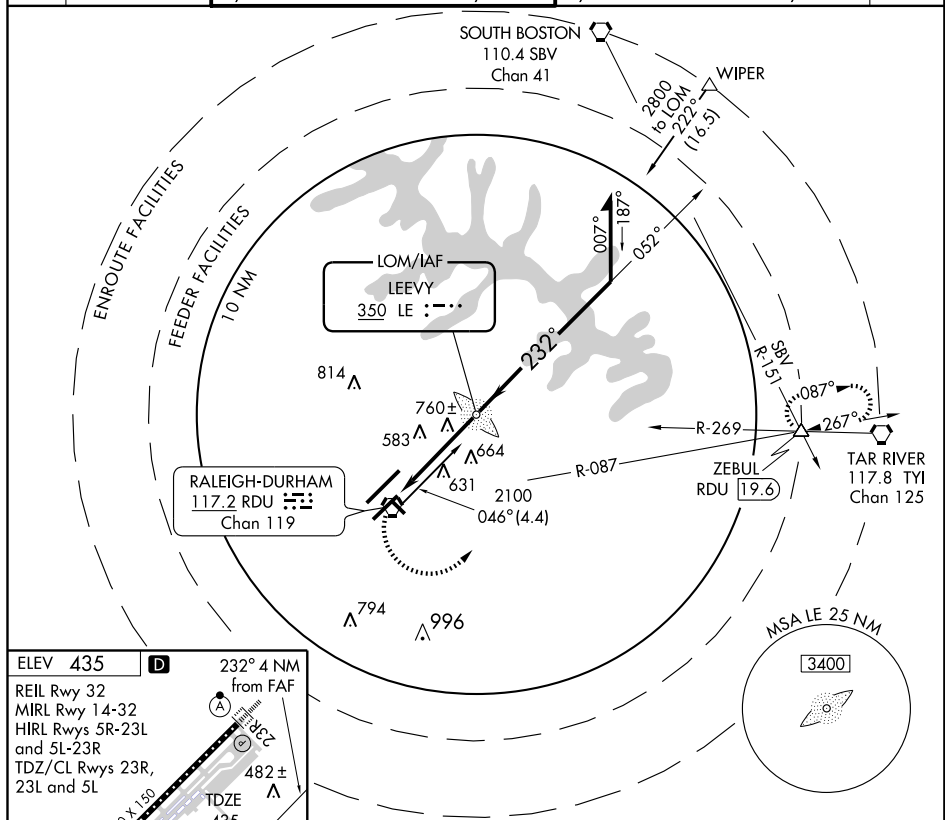
SE-2. 21 OCT 2010 to 18 NOV 2010

RALEIGH/DURHAM, NORTH CAROLINA
RALEIGH-DURHAM INTL

LOM LE	APP CRS	Rwy Idg	7500
350	232°	TDZE	435
		Apt Elev	435

NDB RWY 23L RALEIGH-DURHAM INTL (RDU)

<div><div>V</div><div>A</div></div>		<div>MALSR</div> <div><div>AS</div><div><div><div></div><div></div><div></div></div></div></div>		MISSED APPROACH: Climbing left turn to 2600 via RDU R-087 to ZEBUL Int and hold.		
ATIS 123.8	RALEIGH APP CON 128.3 307.9	(EAST) RALEIGH TOWER 127.45 257.8 Rwys 5R-23L and 14-32	(WEST) 119.3 257.8 Rwy 5L-23R	(EAST) GND CON 121.9 348.6 Rwys 5R-23L and 14-32	(WEST) 121.7 348.6 Rwy 5L-23R	CLNC DEL 120.1



2600 ZEBUL RDU R-087 117.2		LOM 052° 2100 232° 1800 3.08° TCH 55 4 NM		Remain within 10 NM	
CATEGORY	A	B	C	D	
S-23L	1120/40	685 (700-¾)	1120-1½ 685 (700-1½)	1120-2 685 (700-2)	
CIRCLING	1120-1	685 (700-1)	1120-2 685 (700-2)	1120-2¼ 685 (700-2¼)	

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 5L: Climb heading 052°, thence....

TAKE-OFF RWY 5R: Climb heading 052°, thence....

TAKE-OFF RWY 14: Climb heading 142° to 1400, thence...

TAKE-OFF RWY 23L: Climb heading 232° to 1900, thence...

TAKE-OFF RWY 23R: Climb heading 232° to 1800, thence...

TAKE-OFF RWY 32: Climb heading 322°, thence....

.... or as assigned for vectors to join filed route/fix. Expect clearance to filed altitude/flight level ten minutes after departure.

TAKE-OFF OBSTACLES

NOTE: Rwy 5L, Tree 2,011 feet from DER, 949 feet right of centerline, 80 feet AGL/469 feet MSL. Tree 3,802 feet from DER, 1,238 feet left of centerline, 77 feet AGL/506 feet MSL. Tank 4,046 feet from DER, 1,578 feet right of centerline, 138 feet AGL/547 feet MSL.

NOTE: Rwy 5R, Tree 1,437 feet from DER, 803 feet right of centerline, 80 feet AGL/469 feet MSL.

NOTE: Rwy 14, Multiple trees beginning 2,021 feet from DER, 510 feet left of centerline, up to 122 feet AGL/571 feet MSL. Multiple trees beginning 2,468 feet from DER, 1 foot right of centerline, up to 110 feet AGL/559 feet MSL.

NOTE: Rwy 23L, Tree 1,496 feet from DER, 797 feet left of centerline, 58 feet AGL/447 feet MSL. Lt pole 1,458 feet from DER, 878 feet right of centerline, 93 feet AGL/452 feet MSL.

NOTE: Rwy 32, Multiple poles 1,170 feet from DER, 634 feet left of centerline, up to 47 feet AGL/486 feet MSL. Antenna 1,243 feet from DER, 754 feet right of centerline, 34 feet AGL/473 feet MSL. Control tower and antenna 2,207 feet from DER, 911 feet right of centerline, 221 feet AGL/660 feet MSL.

(RDU7.RDU) 10154

SL-516 (FAA)

RALEIGH-DURHAM INTL (RDU)
RALEIGH-DURHAM, NORTH CAROLINA

RALEIGH SEVEN DEPARTURE

ATIS 123.8
CLNC DEL
120.1

FLAT ROCK
113.3 FAK
Chan 80
N37°31.71'-W77°49.69'
L-36, H-10-12

NORTH DEPARTURE
132.35 256.9

SOUTH BOSTON
110.4 SBV
Chan 41
N36°40.50'-W79°00.87'
L-26-36, H-9-12

LAWRENCEVILLE
112.9 LVL
Chan 76
N36°49.08'
W77°54.18'
L-36

SOUTH DEPARTURE
125.3 353.675

GREENSBORO
116.2 GSO
Chan 109
N36°02.74'-W79°58.58'
L-25-36, H-9-12

FRANKLIN
110.6 FKN
Chan 43
N36°42.85'-W77°00.74'
L-35-36, H-9-10-12

LIBERTY
113.0 LIB
Chan 77
N35°48.70'
W79°36.76'
L-25-36, H-9-12

TAR RIVER
117.8 TYI
Chan 125
N35°58.61'-W77°42.23'
L-35-36, H-9-12

SANDHILLS
111.8 SDZ
Chan 55
N35°12.93'
W79°35.28'
L-25-35-36, H-9-12

FAYETTEVILLE
108.8 FAY
Chan 25
N34°59.13'-W78°52.50'
L-35-36

WILMINGTON
117.0 ILM
Chan 117
N34°21.10'-W77°52.46'
L-23-35, H-9-12

1800

1900

1400

SPECIAL INSTRUCTIONS: For appropriate departure control frequency, use frequency depicted within sector for your route of flight after RDU.

TAKE-OFF MINIMUMS:

Rwys 5L, 5R, 14, 23L, 23R, Standard
Rwy 32: 300-1.

NOTE: RADAR Required.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

RALEIGH SEVEN DEPARTURE
(RDU7.RDU) 10154

RALEIGH-DURHAM, NORTH CAROLINA
RALEIGH-DURHAM INTL (RDU)

SE-2, 21 OCT 2010 to 18 NOV 2010

RALEIGH SEVEN DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 5L: Climb heading 052°, thence....

TAKE-OFF RWY 5R: Climb heading 052°, thence....

TAKE-OFF RWY 14: Climb heading 142° to 1400, thence...

TAKE-OFF RWY 23L: Climb heading 232° to 1900, thence...

TAKE-OFF RWY 23R: Climb heading 232° to 1800, thence...

TAKE-OFF RWY 32: Climb heading 322°, thence....

.... or as assigned for vectors to join filed route/fix. Expect clearance to filed altitude/flight level ten minutes after departure.

TAKE-OFF OBSTACLES

NOTE: Rwy 5L, Tree 2,011 feet from DER, 949 feet right of centerline, 80 feet AGL/469 feet MSL. Tree 3,802 feet from DER, 1,238 feet left of centerline, 77 feet AGL/506 feet MSL. Tank 4,046 feet from DER, 1,578 feet right of centerline, 138 feet AGL/547 feet MSL.

NOTE: Rwy 5R, Tree 1,437 feet from DER, 803 feet right of centerline, 80 feet AGL/469 feet MSL.

NOTE: Rwy 14, Multiple trees beginning 2,021 feet from DER, 510 feet left of centerline, up to 122 feet AGL/571 feet MSL. Multiple trees beginning 2,468 feet from DER, 1 foot right of centerline, up to 110 feet AGL/559 feet MSL.

NOTE: Rwy 23L, Tree 1,496 feet from DER, 797 feet left of centerline, 58 feet AGL/447 feet MSL. Lt pole 1,458 feet from DER 878 feet right of centerline, 93 feet AGL/452 feet MSL.

NOTE: Rwy 32, Multiple poles 1,170 feet from DER, 634 feet left of centerline, up to 47 feet AGL/486 feet MSL. Antenna 1,243 feet from DER, 754 feet right of centerline, 34 feet AGL/473 feet MSL. Control tower and antenna 2,207 feet from DER, 911 feet right of centerline, 221 feet AGL/660 feet MSL.

RASKL ONE ARRIVAL (RNAV)

RALEIGH TOWER

127.45 257.8 (Rwys 5R-23L, 14-32)

119.3 257.8 (Rwy 5L-23R)

RALEIGH APP CON

128.3 307.9

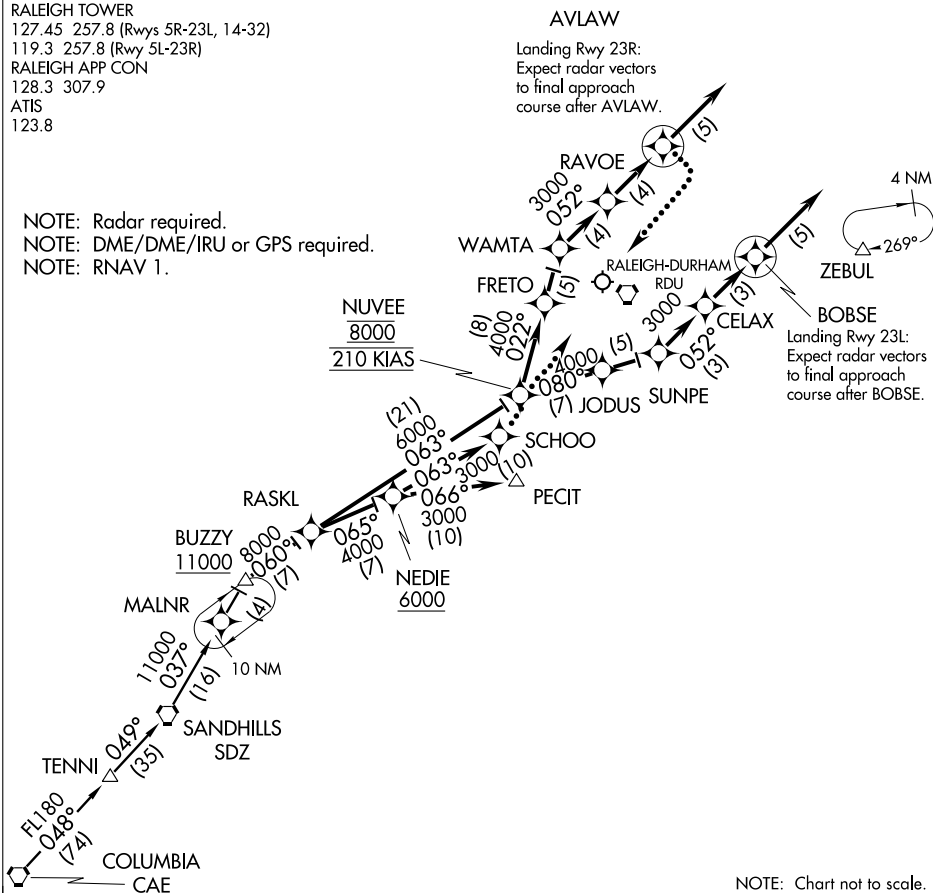
ATIS

123.8

NOTE: Radar required.

NOTE: DME/DME/IRU or GPS required.

NOTE: RNAV 1.



COLUMBIA TRANSITION (CAE.RASKL1):

... From over BUZZY via 060° track to RASKL. Then via assigned runway transition.

Landing Rwy 5L: From over RASKL via 065° track to NEDIE, then via 063° track to SCHOO.

Landing Rwy 5R: From over RASKL via 065° track to NEDIE, then via 066° track to PECIT.

Landing Rwy 23L: From over RASKL via 063° track to NUVEE, then via 080° track to JODUS, then via 080° track to SUNPE, then via 052° track to CELAX, then via 052° track to BOBSE, then via 052° heading. Expect radar vectors to final approach course.

Landing Rwy 23R: From over RASKL via 063° track to NUVEE, then via 022° track to FRETO, then via 022° track to WAMTA, then via 052° track to RAVOE, then via 052° track to AVLA, then via 052° heading. Expect radar vectors to final approach course.

LOST COMMUNICATIONS:

NORTHEAST OPERATION: Track to SCHOO, maintain 3000: intercept and execute ILS Rwy 5L approach. If unable, proceed to ZEBUL and hold, maintain 5000.

SOUTHWEST OPERATION: Track to AVLA, fly heading 140°, maintain 3000: intercept and execute ILS Rwy 23R approach. If unable, proceed to ZEBUL and hold, maintain 5000.

RASKL ONE ARRIVAL (RNAV)

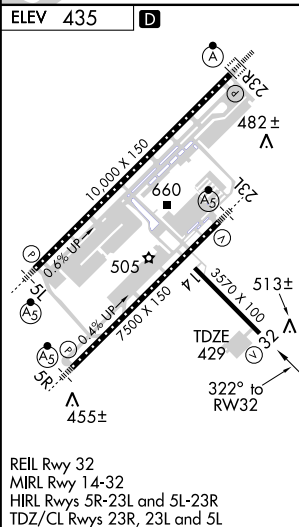
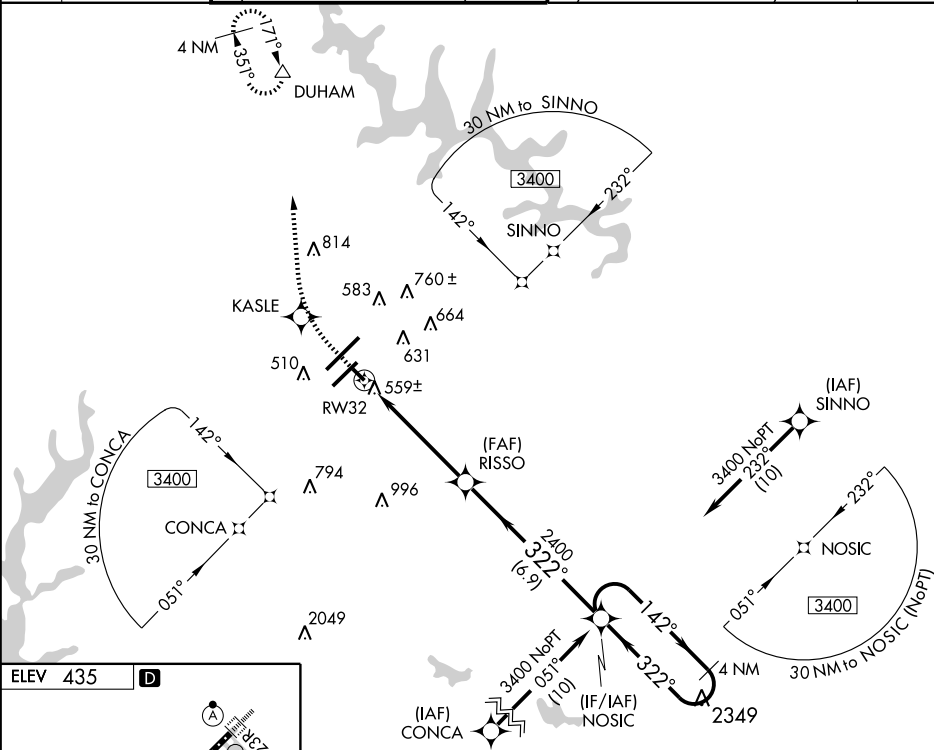
APP CRS	Rwy ldg	3570
322°	TDZE	429
	Apt Elev	435

RNAV (GPS) RWY 32

RALEIGH-DURHAM INTL (RDU)

V GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. A NA Baro-VNAV NA below -15°C (5°F).	MISSED APPROACH: Climb to 2100 via 322° course to KASLE WP, then right turn direct to DUHAM WP and hold.
--	---

ATIS	RALEIGH APP CON	(EAST) RALEIGH TOWER (WEST)	(EAST) GND CON	(WEST)	CLNC DEL
123.8	128.3 307.9	127.45 257.8 Rwys 5R-23L and 14-32	119.3 257.8 Rwy 5L-23R	121.9 348.6 Rwys 5R-23L and 14-32	121.7 348.6 Rwy 5L-23R
					120.1



<div> <div> <div>2100</div> <div>KASLE</div> <div>DUHAM</div> </div> <div> <div>CRS 322°</div> <div>* LNAV Only</div> </div> <div> <div>4 NM Holding Pattern</div> <div>NOSIC</div> </div> </div>			
<div> <div> <div>1.3 NM</div> <div>3.9 NM</div> <div>6.9 NM</div> </div> <div> <div>1.3 NM to RW32</div> <div>RW32</div> <div>RISSO</div> </div> <div> <div>322°</div> <div>3400</div> <div>GS 3.50° TCH 45°</div> <div>VGSI and descent angles not coincident.</div> </div> </div>			
CATEGORY	A	B	C
GLS DA	NA		
LNAV/VNAV DA	820-1¼ 391 (400-1¼)		
LNAV MDA	1000-1 571 (600-1)	1000-1½ 571 (600-1½)	NA
CIRCLING	1000-1¼ 565 (600-1¼)	1000-1¾ 565 (600-1¾)	NA

WAAS CH 48813 W05A	APP CRS 052°	Rwy Idg 10000 TDZE 385 Apt Elev 435
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RNAV (GPS) Y RWY 5L
RALEIGH-DURHAM INTL (RDU)

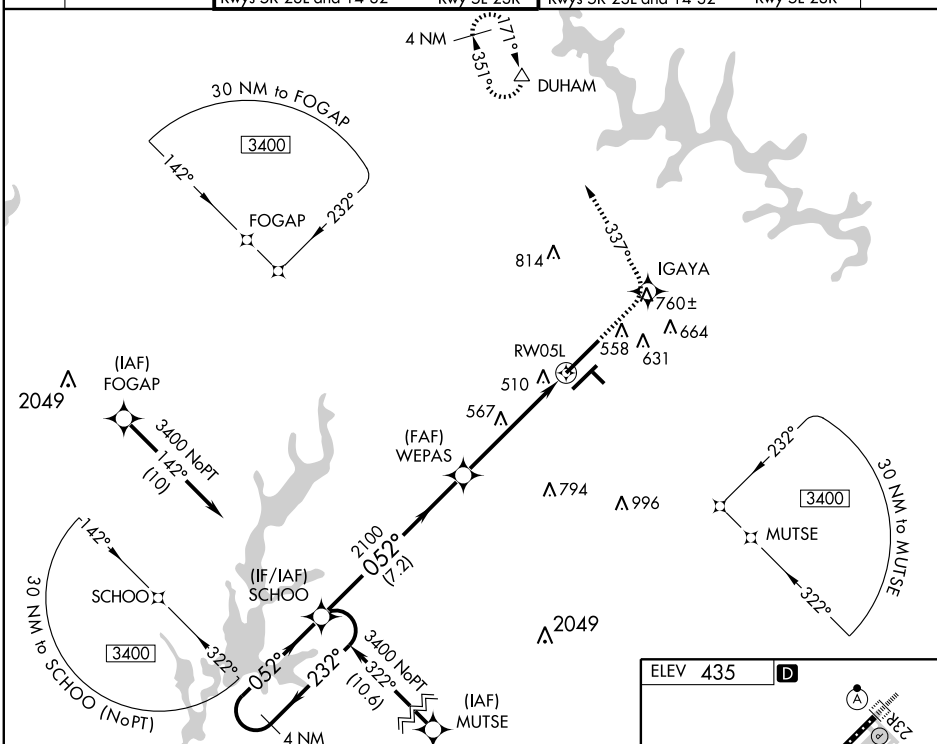
RALEIGH-DURHAM INTL (RDU)

T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F).
DME/DME RNP-0.3 NA.

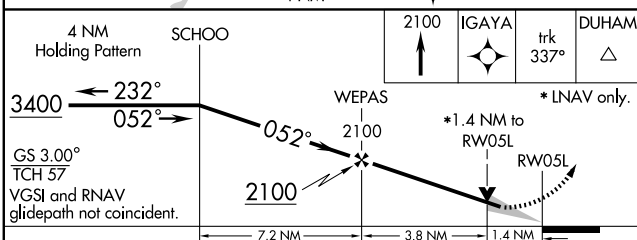
MALSR

MISSED APPROACH: Climb to 2100 direct IGAYA and via track 337° to DUHAM and hold.

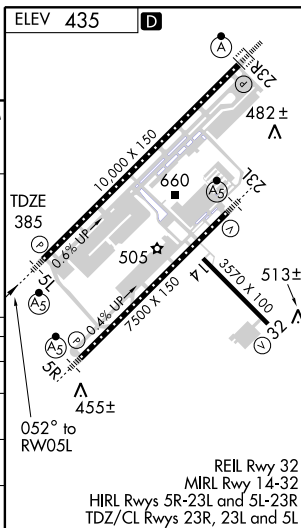
ATIS 123.8	RALEIGH APP CON 128.3 307.9	(EAST) RALEIGH TOWER (WEST) 127.45 257.8 Rwys 5R-23L and 14-32	(EAST) GND CON (WEST) 121.9 348.6 Rwys 5R-23L and 14-32	CLINC DEL 120.1
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SE-2. 21 OCT 2010 to 18 NOV 2010



CATEGORY	A		B		C		D	
LPV DA	596/24 211 (200- ½)							
LNAV/DA VNAV	793/50 408 (400-1)							
LNAV MDA	880/24 495 (500- ½)				880/40 495 (500- ¾)		880/50 495 (500-1)	
CIRCLING	960-1 525 (600-1)				960-1½ 525 (600-1½)		1060-2 625 (700-2)	



RALEIGH/DURHAM, NORTH CAROLINA

Amdt 1 09351

RALEIGH-DURHAM INTL (RDU)

RNAV (GPS) Y RWY 5L

35°53'N-78°47'W

WAAS CH 90213 W05B	APP CRS 052°	Rwy Idg 7500 TDZE 420 Apt Elev 435
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RNAV (GPS) Y RWY 5R

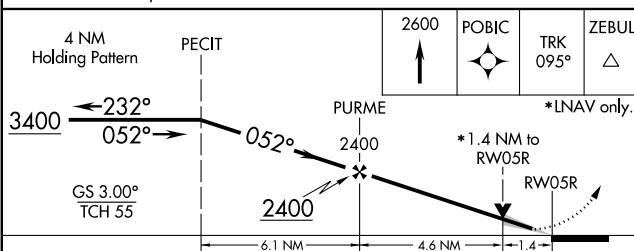
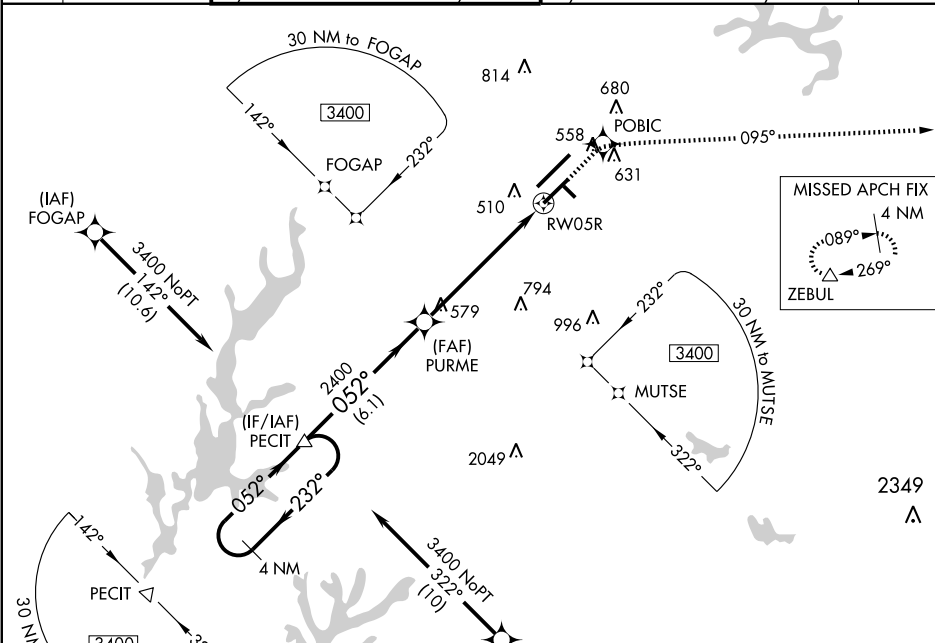
RALEIGH-DURHAM INTL (RDU)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F).
DME/DME RNP-0.3 NA.

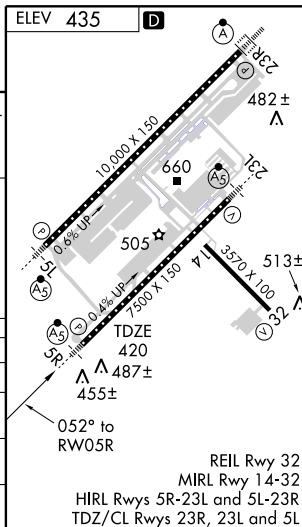


MISSED APPROACH: Climb to 2600 direct POBIC and via track 095° to ZEBUL and hold.

ATIS	RALEIGH APP CON	(EAST) RALEIGH TOWER (WEST)	(EAST) GND CON (WEST)	CLNC DEL
123.8	128.3 307.9	127.45 257.8 Rwys 5R-23L and 14-32	119.3 257.8 Rwy 5L-23R 121.9 348.6 Rwys 5R-23L and 14-32 121.7 348.6 Rwy 5L-23R	120.1



CATEGORY	A	B	C	D
LPV DA		620/24	200 (200-1/2)	
LNAV/VNAV DA		782/40	362 (400-3/4)	
LNAV MDA	900/24	480 (500-1/2)	900/40 480 (500-3/4)	900/50 480 (500-1)
CIRCLING	960-1	525 (600-1)	960-1 1/2 525 (600-1 1/2)	1060-2 625 (700-2)



WAAS CH 65713 W23B	APP CRS 232°	Rwy Idg TDZE 435 Apt Elev 435	7500
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RNAV (GPS) Y RWY 23L

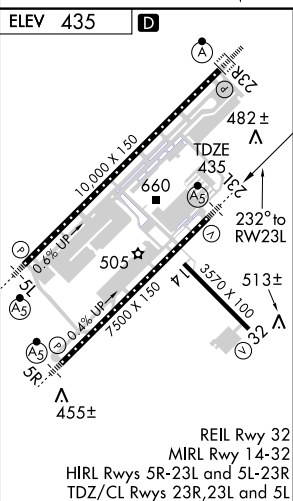
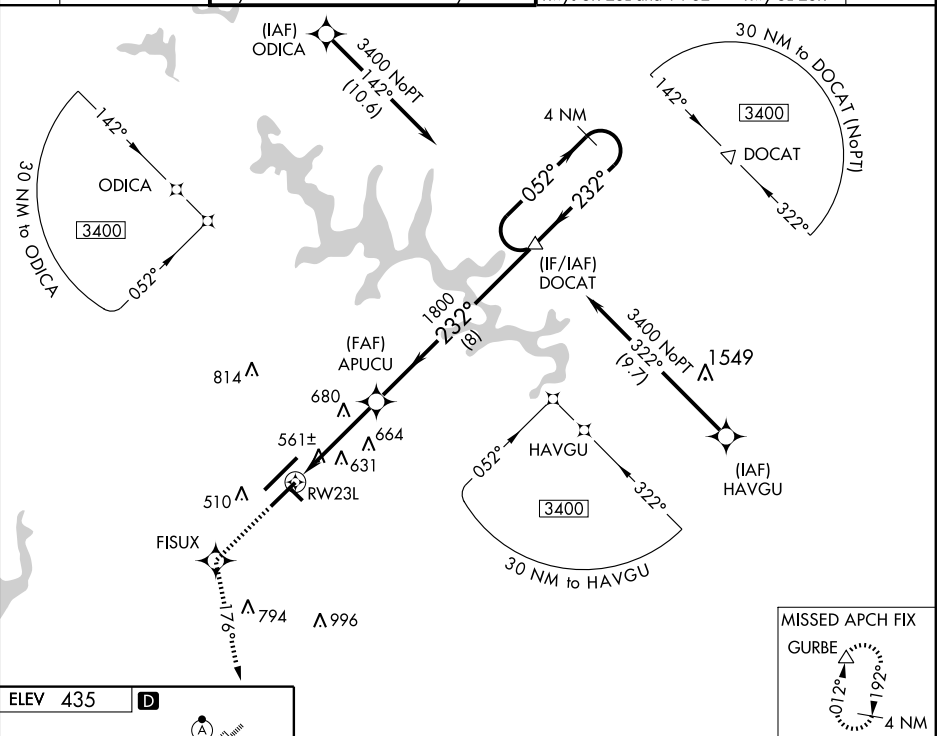
RALEIGH-DURHAM INTL (RDU)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 47°C (116°F).
DME/DME RNP-0.3 NA.

MALSR
AS

MISSED APPROACH: Climb to 3100 direct FISUX and left turn via track 176° to GURBE and hold.

ATIS	RALEIGH APP CON	(EAST) RALEIGH TOWER (WEST)	(EAST) GND CON (WEST)	CLNC DEL
123.8	128.3 307.9	127.45 257.8 Rwys 5R-23L and 14-32	121.9 348.6 Rwys 5R-23L and 14-32	121.7 348.6 Rwy 5L-23R
		119.3 257.8 Rwy 5L-23R		120.1



CATEGORY	A	B	C	D
LPV DA	635/24	200 (200-½)		
LNAV/VNAV DA	841/50	406 (500-1)		
LNAV MDA	1000/24	565 (600-½)	1000/50 565 (600-1)	1000/60 565 (600-1½)
CIRCLING	1000-1	565 (600-1)	1000-1½ 565 (600-1½)	1060-2 625 (700-2)

WAAS CH 45613 W23A	APP CRS 232°	Rwy Idg 10000 TDZE 409 Apt Elev 435
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RNAV (GPS) Y RWY 23R

RALEIGH-DURHAM INTL (RDU)

T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F).
DME/DME RNP-0.3 NA.

ALSF-2

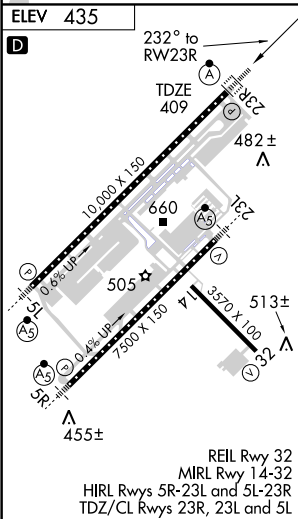
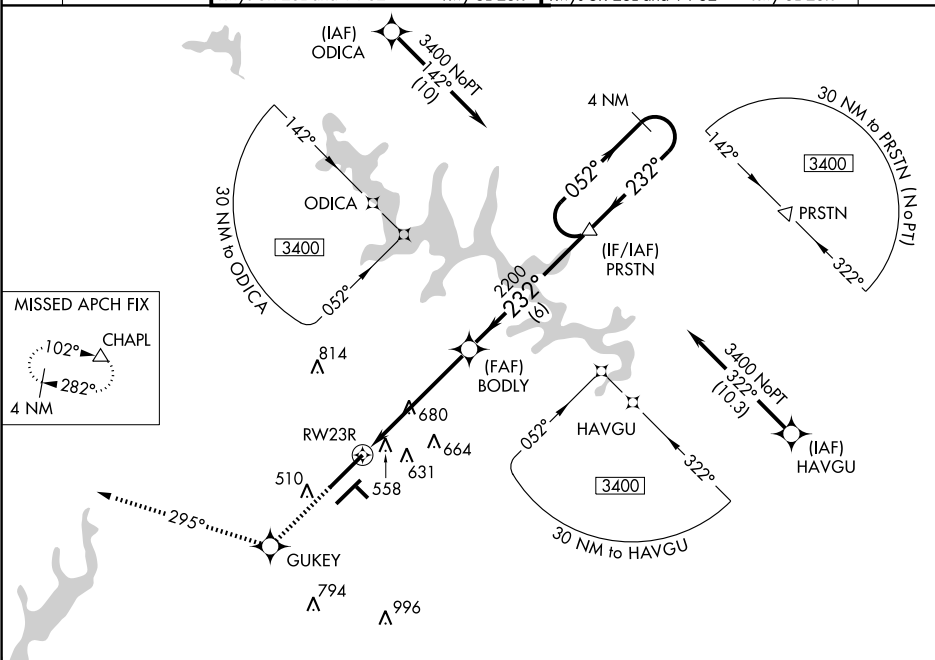


MISSED APPROACH: Climb to 3100
direct GUKEY and right turn via
295° track to CHAPL and hold.

ATIS	RALEIGH APP CON
123.8	128.3 307.9

RALEIGH TOWER	
(EAST)	(WEST)
127.45 257.8	119.3 257.8
Rwys 5R-23L and 14-32	Rwy 5L-23R

(EAST)		GND CON	(WEST)	
121.9	348.6		121.7	348.6
Rwys 5R-23L and 14-32			Rwy 5L-23R	

CLNC DEL
120.1

21049

A

3100 ↑	GUKEY ✱	295° trk	CHAPL △	VGSI and RNAV glidepath not coincident. PRSTN	4 NM Holding Pattern
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* LNAV only.

BODY 2200

052° → 3400

← 232°

2200

1.6

3.8 NM

6 NM

GS 3.00°
TCH 56

CATEGORY	A	B	C	D
LPV DA		609/24	200 (200-½)	
LNAV/VNAV DA		927/60	518 (500-1¼)	
LNAV MDA	1000/24	591 (600-½)	1000/50 591 (600-1)	1000/60 591 (600-1¼)
CIRCLING	1000-1	565 (600-1)	1000-1½ 565 (600-1½)	1060-2 625 (700-2)

RALEIGH/DURHAM, NORTH CAROLINA

Amdt 1 09351

RALEIGH-DURHAM INTL (RDU)

35°53'N-78°47'W

RNAV (GPS) Y RWY 23R

SE-2. 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

APP CRS **052°**
Rwy Idg **10000**
TDZE **385**
Apt Elev **435**

RNAV (RNP) Z RWY 5L

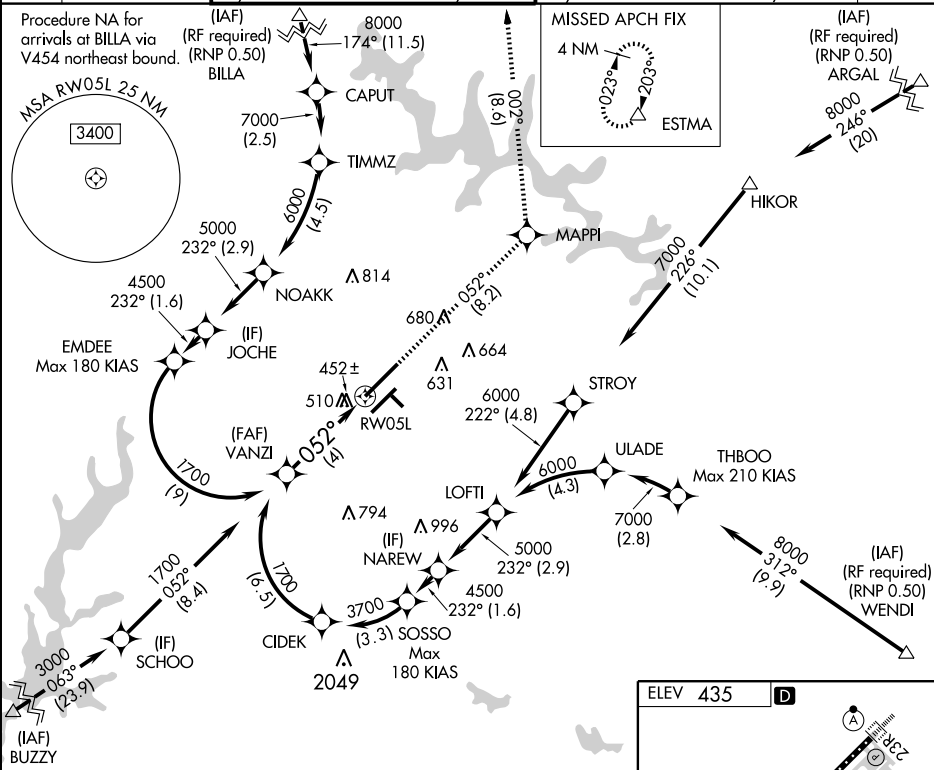
RALEIGH-DURHAM INTL (RDU)

GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -10°C (14°F) or above 47°C (117°F). For inoperative MALSR, increase RNP 0.15 visibility to RVR 6000, RNP 0.30 visibility to 1½.

MALSR

MISSED APPROACH: Climb to 3000 via track 052° to MAPPI and via track 002° to ESTMA and hold.

ATIS	RALEIGH APP CON	(EAST) RALEIGH TOWER	(WEST) RALEIGH TOWER	(EAST) GND CON	(WEST) GND CON	CLNC DEL
123.8	128.3 307.9	127.45 257.8 Rwys 5R-23L and 14-32	119.3 257.8 Rwy 5L-23R	121.9 348.6 Rwys 5R-23L and 14-32	121.7 348.6 Rwy 5L-23R	120.1



VGSI and RNAV glidepath not coincident.

Procedure Turn NA

GP 3.00°
TCH 57

CATEGORY	A	B	C	D
RNP 0.15 DA		709/40 324 (300-¾)		
RNP 0.30 DA		804/50 419 (400-1)		

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED

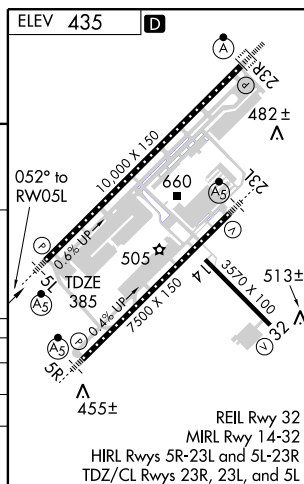
RALEIGH/DURHAM, NORTH CAROLINA

Orig-A 09351

35°53'N-78°47'W

RALEIGH-DURHAM INTL (RDU)

RNAV (RNP) Z RWY 5L



APP CRS	Rwy Idg	7500
232°	TDZE	435
	Apt Elev	435

RNAV (RNP) Z RWY 23L
RALEIGH-DURHAM INTL (RDU)



GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -10°C (13°F) or above 46°C (116°F). Visibility reduction by helicopters NA. For inoperative MALS, increase RNP 0.15 all Cats visibility to RNP 0.000 and RNP 0.20 all Cats visibility to 1 1/2.

MALSR

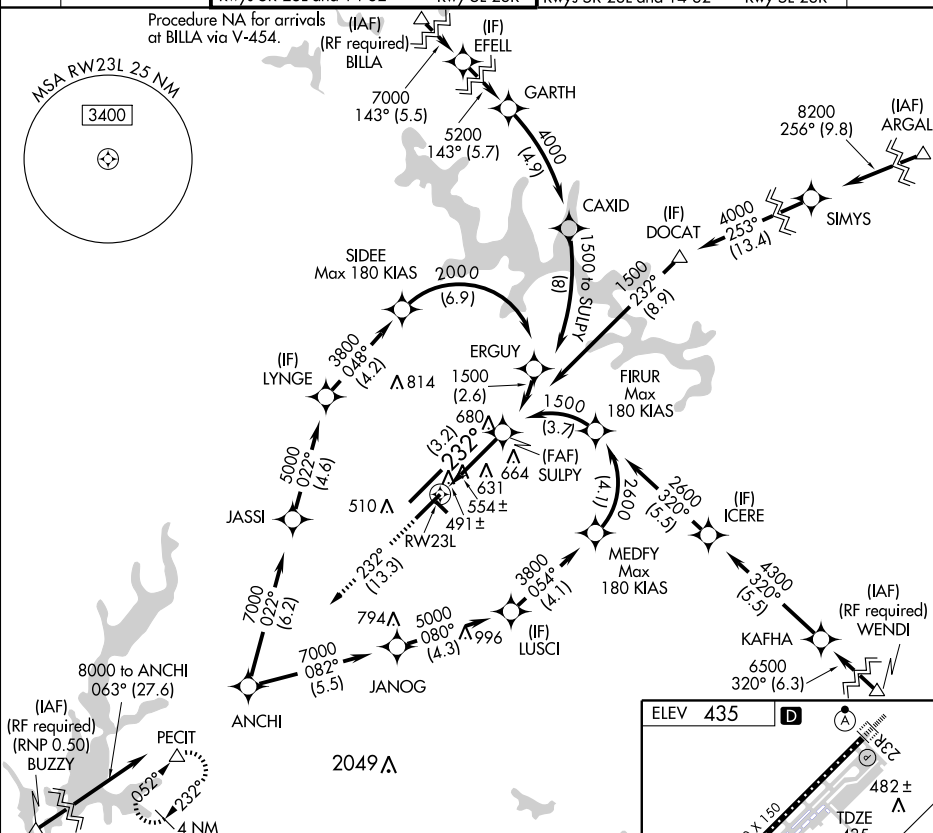


MISSED APPROACH: Climb to 3300 via track 232° to PECIT and hold.

ATIS	RALEIGH APP COM
123.8	128.3 307.9

(EAST) RALEIGH TOWER		(WEST)	
127.45	257.8	119.3	257.8

(EAST)	GND CON	(WEST)
121.9 348.6		121.7 348.6

CLNC DEL
120.1

3300 ↑ trk 232°	PECIT △
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VGSI and RNAV glidepath not coincident.

SULPY
1500
1500

Procedure
Turn
NA
GP 3.00

CATEGORY	A	B	C	D
RNP 0.15 DA		780/40	345 (400-¾)	
RNP 0.30 DA		869/50	434 (500-1)	

**SPECIAL AIRCRAFT AND AIRCREW
AUTHORIZATION REQUIRED**

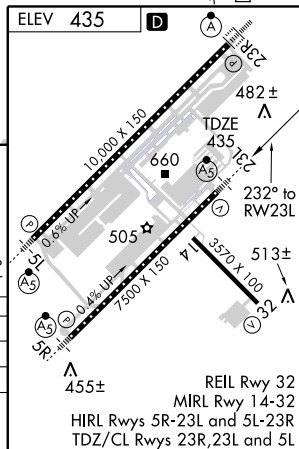
RALEIGH/DURHAM, NORTH CAROLINA

Orig-A 09351

35°53'N-78°47'W

RALEIGH-DURHAM INTL (RDU)

RNAV (RNP) Z RWY 23L



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RNAV (RNP) Z RWY 23R RALEIGH-DURHAM INTL (RDU)

APP CRS	Rwy ldg	10000
232°	TDZE	409
	Apt Elev	435

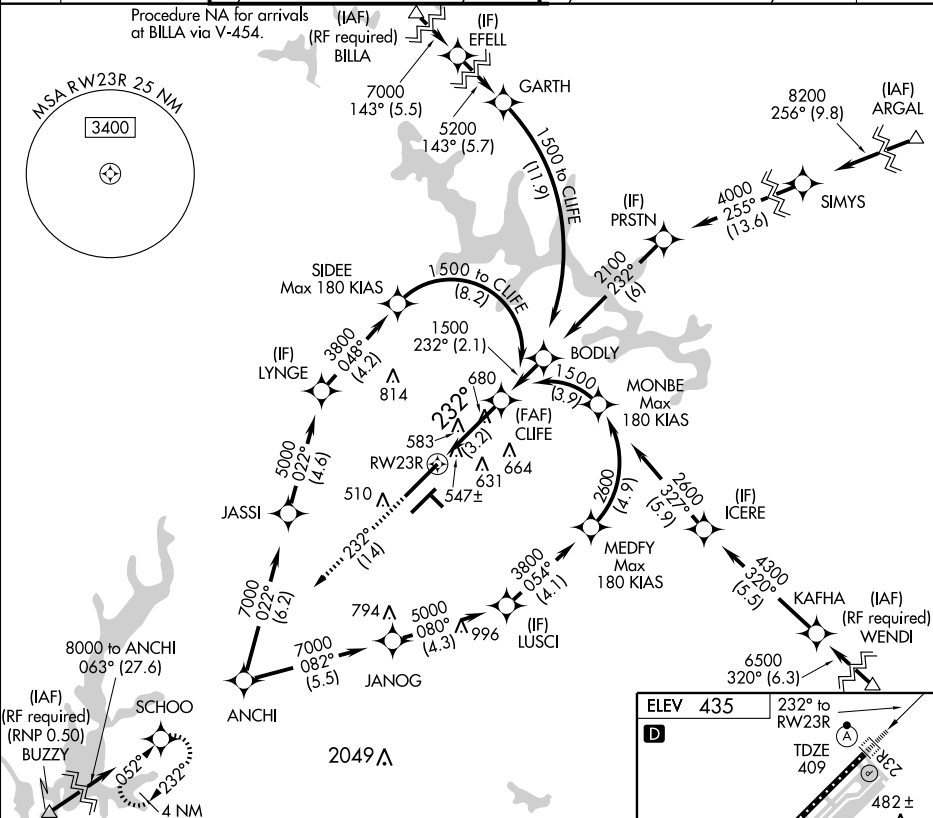
GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -10°C (13°F) or above 47°C (116°F). For inoperative ALSF, increase RNP 0.15 all Cats visibility to RVR 6000 and RNP 0.30 all Cats visibility to 2.



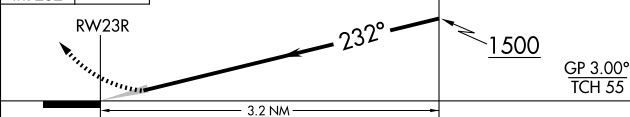
MISSED APPROACH: Climb to 3000 via track 232° to SCHOO and hold.

ATIS	RALEIGH APP CON	(EAST) RALEIGH TOWER (WEST)	GND CON	(WEST)	CLNC DEL
123.8	128.3 307.9	127.45 257.8 Rwys 5R-23L and 14-32	119.3 257.8 Rwy 5L-23R	121.9 348.6 Rwys 5R-23L and 14-32	121.7 348.6 Rwy 5L-23R

Procedure NA for arrivals at BILLA via V-454.

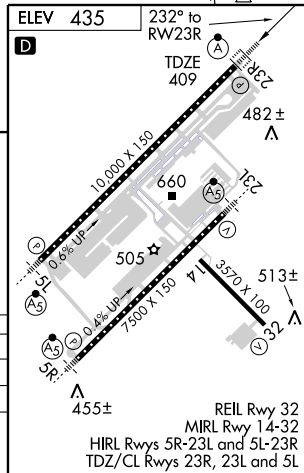


Procedure Turn NA



CATEGORY	A	B	C	D
RNP 0.15 DA		780/40	371 (400-¾)	
RNP 0.30 DA		958/1½	549 (600-1½)	

**SPECIAL AIRCRAFT AND AIRCREW
AUTHORIZATION REQUIRED**



SOUTH BOSTON FOUR ARRIVAL

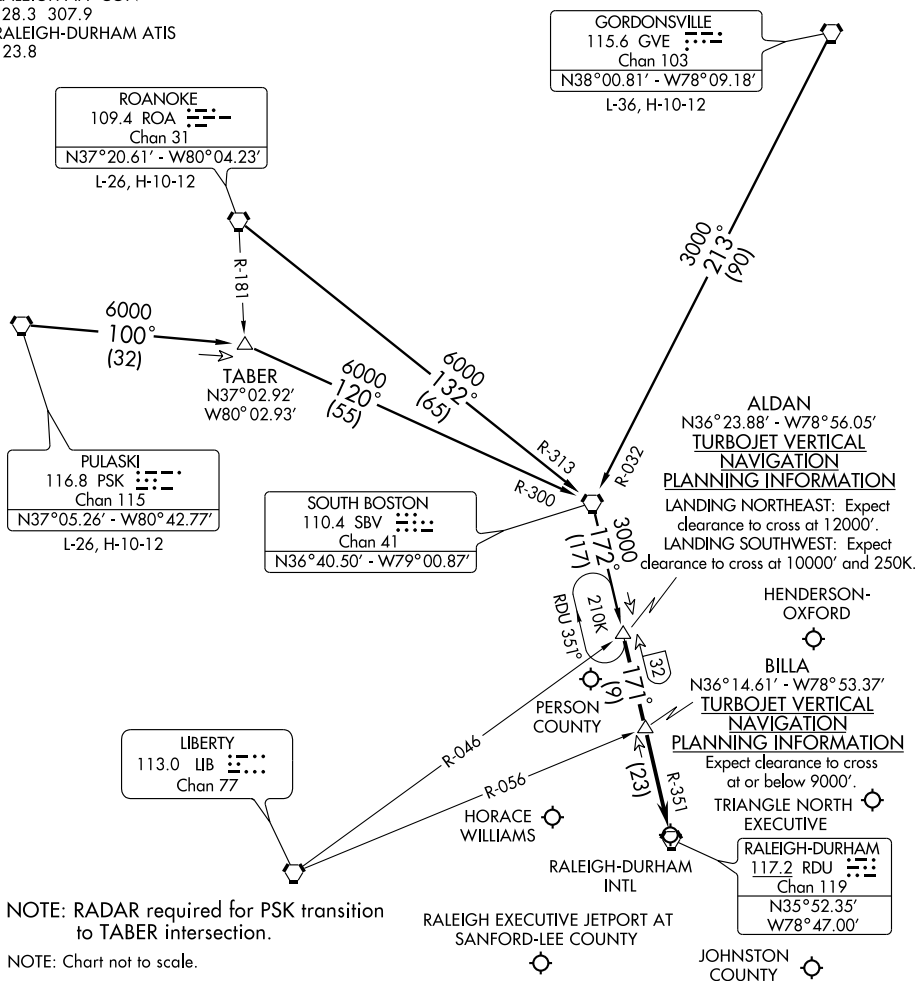
RALEIGH-DURHAM, NORTH CAROLINA

RALEIGH APP CON

128.3 307.9

RALEIGH-DURHAM ATIS

123.8



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

GORDONVILLE TRANSITION (GVE.SBV4): From over GVE VORTAC via GVE R-213 and SBV R-032 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

PULASKI TRANSITION (PSK.SBV4): From over PSK VORTAC via PSK R-100 and SBV R-300 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

ROANOKE TRANSITION (ROA.SBV4): From over ROA VORTAC via ROA R-132 and SBV R-313 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

. . . . From over ALDAN INT via RDU R-351 to BILLA INT, then via RDU R-351 to RDU VORTAC. For arrival to Raleigh-Durham Intl (RDU), Franklin County (LHZ), Horace Williams (IGX), Johnston County (JNX) and Sanford-Lee County Rgnl (TTA) airports:

Expect radar vectors to final approach course after BILLA INT.

For arrival to Henderson-Oxford (HNZ) and Person County (TDF) airports:

Expect radar vectors to final approach course after ALDAN INT.

SOUTH BOSTON FOUR ARRIVAL

(SBV.SBV4) 10266

RALEIGH-DURHAM, NORTH CAROLINA

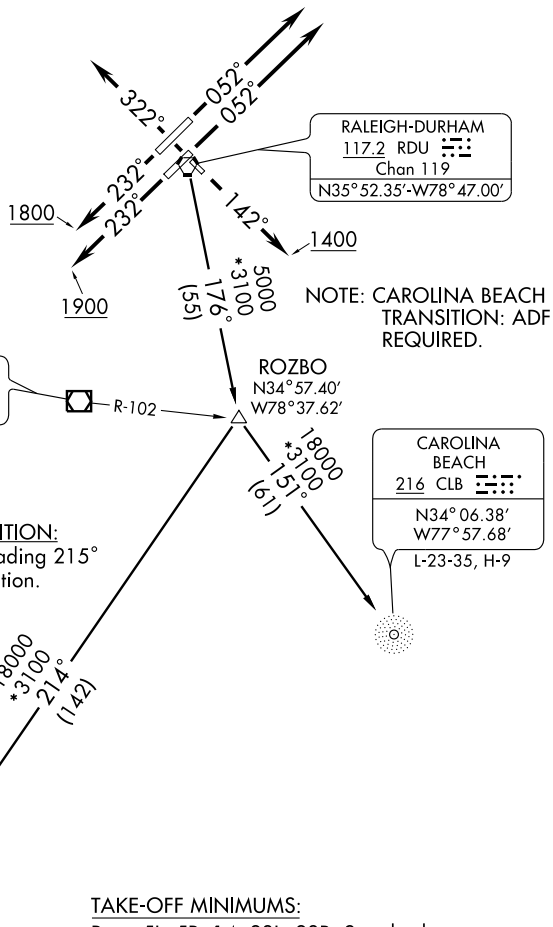
(TARL7.RDU) 10154

TAR HEEL SEVEN DEPARTURE

SL-516 (FAA)

RALEIGH-DURHAM INTL (RDU)
RALEIGH-DURHAM, NORTH CAROLINA

ATIS 123.8
CLNC DEL
120.1
RALEIGH DEP CON
125.3 353.675



(Continued on next page)

TAR HEEL SEVEN DEPARTURE

(TARL7.RDU) 10154

RALEIGH-DURHAM, NORTH CAROLINA
RALEIGH-DURHAM INTL (RDU)



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

VORTAC RDU 117.2 Chan 119	APP CRS 055°	Rwy Idg TDZE Apt Elev	7500 421 435
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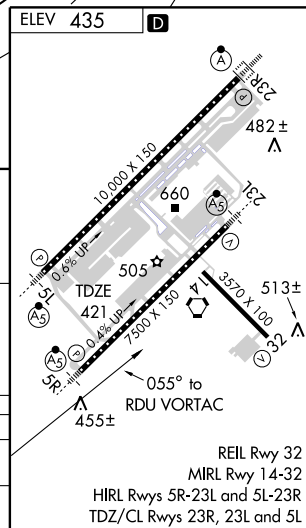
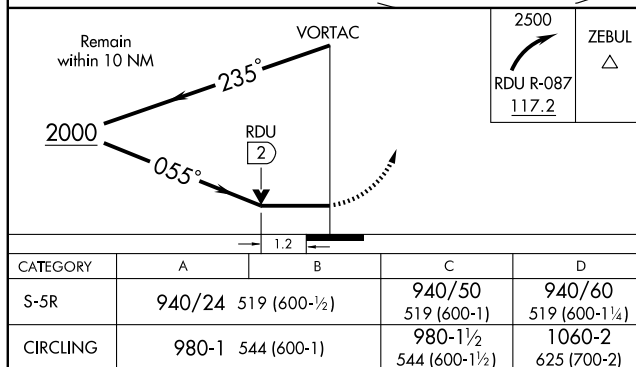
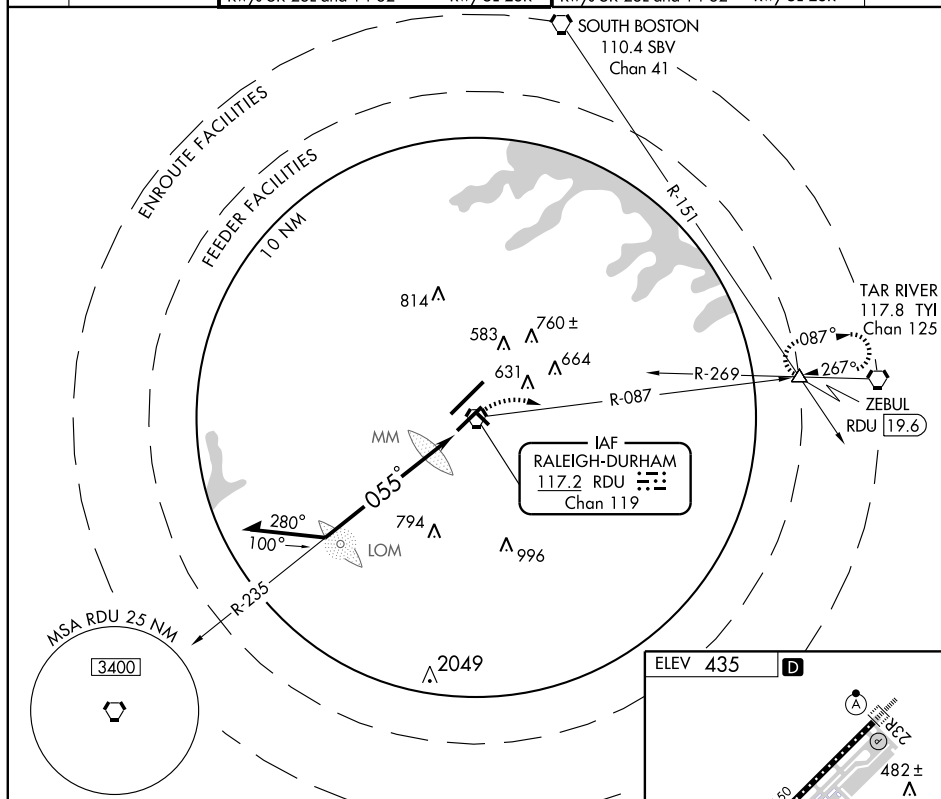
VOR RWY 5R

RALEIGH-DURHAM INTL (RDU)

				MISSED APPROACH: Climbing right turn to 2500 via RDU R-087 to ZEBUL Int and hold.			
	ATIS	RALEIGH APP CON	RALEIGH TOWER		GND CON		CLNC DEL
	123.8	128.3 307.9	(EAST) 127.45 257.8 Rwys 5R-23L and 14-32	(WEST) 119.3 257.8 Rwy 5L-23R	(EAST) 121.9 348.6 Rwys 5R-23L and 14-32	(WEST) 121.7 348.6 Rwy 5L-23R	





MISSED APPROACH: Climbing right turn to 2500 via RDU R-087 to ZEBUL Int and hold.

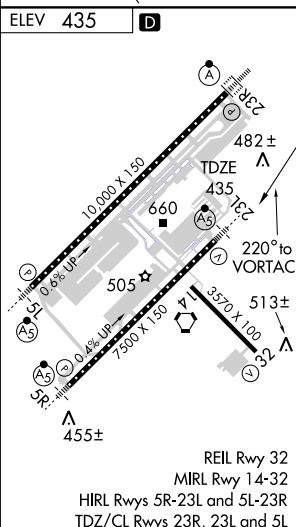
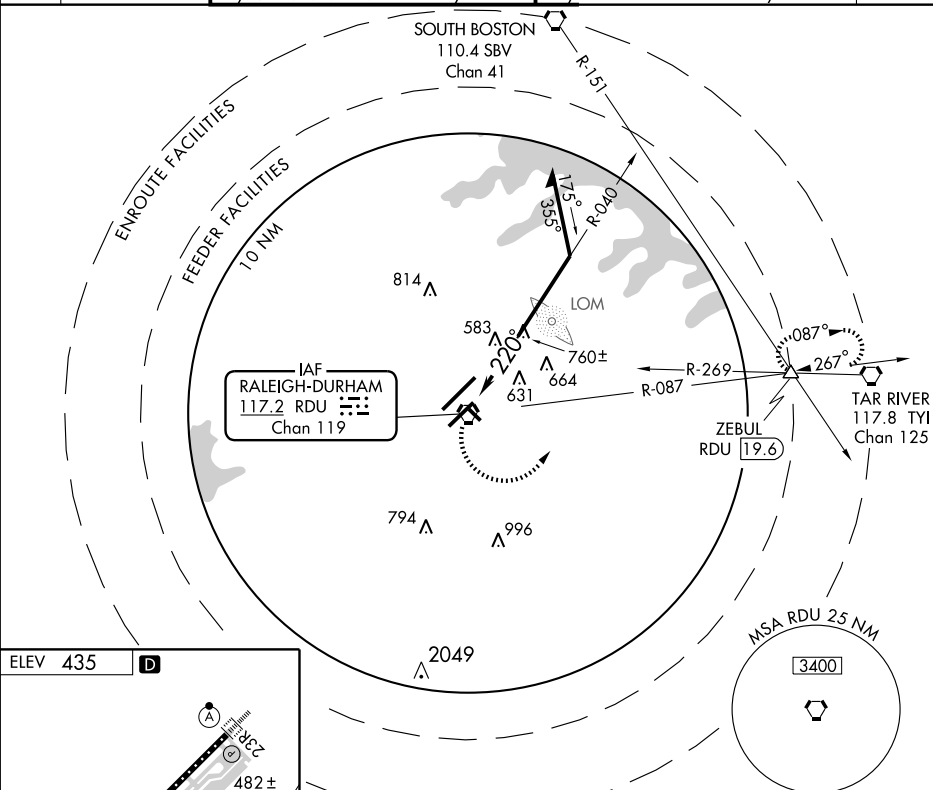


VORTAC RDU 117.2 Chan 119	APP CRS 220°	Rwy Idg TDZE Apt Elev	7500 435 435
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VOR RWY 23L

RALEIGH-DURHAM INTL (RDU)

				MISSED APPROACH: Climbing left turn to 2500 via RDU R-087 to ZEBUL Int and hold.	
ATIS 123.8	RALEIGH APP CON 128.3 307.9	RALEIGH TOWER (EAST) 127.45 257.8 Rwys 5R-23L and 14-32 (WEST) 119.3 257.8 Rwy 5L-23R		(EAST) GND CON 121.9 348.6 Rwys 5R-23L and 14-32 (WEST) 121.7 348.6 Rwy 5L-23R	
				CLNC DEL 120.1	



2500 RDU R-087 117.2		ZEBUL 		VORTAC 		Remain within 10 NM	
2000 040° 220°		1.8 NM		2000		2000	
CATEGORY	A	B	C	D			
S-23L	1060/24	625 (700-½)	1060/60 625 (700-¼)	1060-1½ 625 (700-½)			
CIRCLING	1060-1	625 (700-1)	1060-1¾ 625 (700-¾)	1060-2 625 (700-2)			

VORTAC RDU 117.2 Chan 119	APP CRS 312°	Rwy Idg TDZE Apt Elev	3570 429 435
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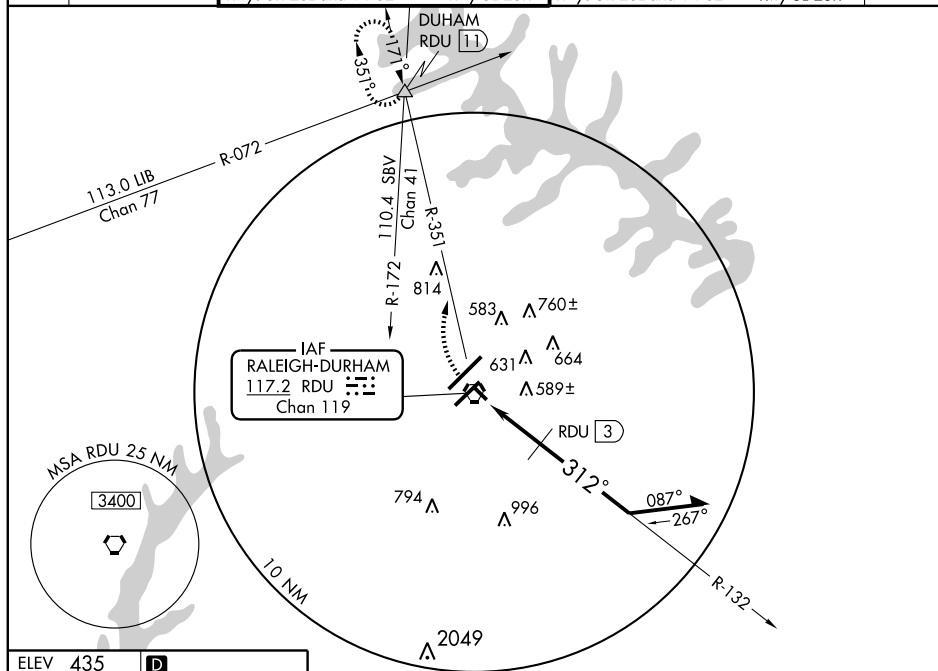
VOR RWY 32

RALEIGH-DURHAM INTL (RDU)

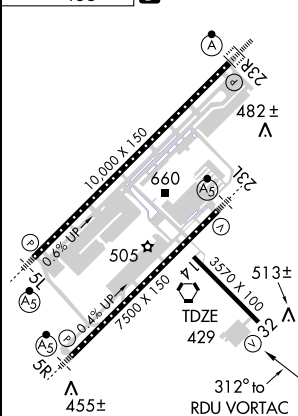


MISSED APPROACH: Climbing right turn to 2100 via RDU R-351 to DUHAM Int and hold.

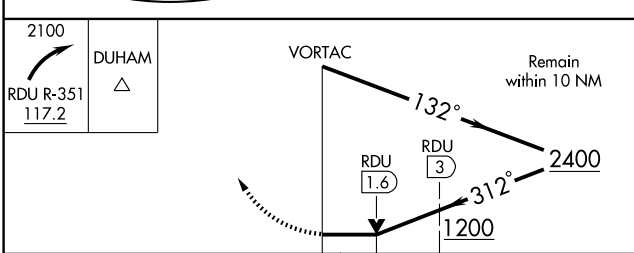
ATIS	RALEIGH APP CON	(EAST) RALEIGH TOWER (WEST)	(EAST) GND CON (WEST)	CLNC DEL
123.8	128.3 307.9	127.45 257.8 Rwys 5R-23L and 14-32	121.9 348.6 Rwys 5R-23L and 14-32	120.1
		119.3 257.8 Rwy 5L-23R	121.7 348.6 Rwy 5L-23R	



ELEV 435	D
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REIL Rwy 32
MIRL Rwy 14-32
HIRL Rwys 5R-23L and 5L-23R
TDZ/CL Rwys 23R, 23L and 5L



CATEGORY	A	B	C	D
S-32	1200-1 771 (800-1)	1200-1¼ 771 (800-1¼)	1200-2¼ 771 (800-2¼)	1200-2½ 771 (800-2½)
CIRCLING	1200-1 765 (800-1)	1200-1¼ 765 (800-1¼)	1200-2¼ 765 (800-2¼)	1200-2½ 765 (800-2½)
DME MINIMA				
S-32	860-1 431 (500-1)		860-1¼ 431 (500-1¼)	860-1½ 431 (500-1½)
CIRCLING	980-1 545 (600-1)		980-1½ 545 (600-1½)	1060-2 625 (700-2)

ZODAS ONE ARRIVAL (RNAV)

RALEIGH/DURHAM, NORTH CAROLINA

RALEIGH TOWER

127.45 257.8 (R_{wys} 5R-23L, 14-32)

119.3 257.8 (Rwy 5L-23R)

RALEIGH APP CON

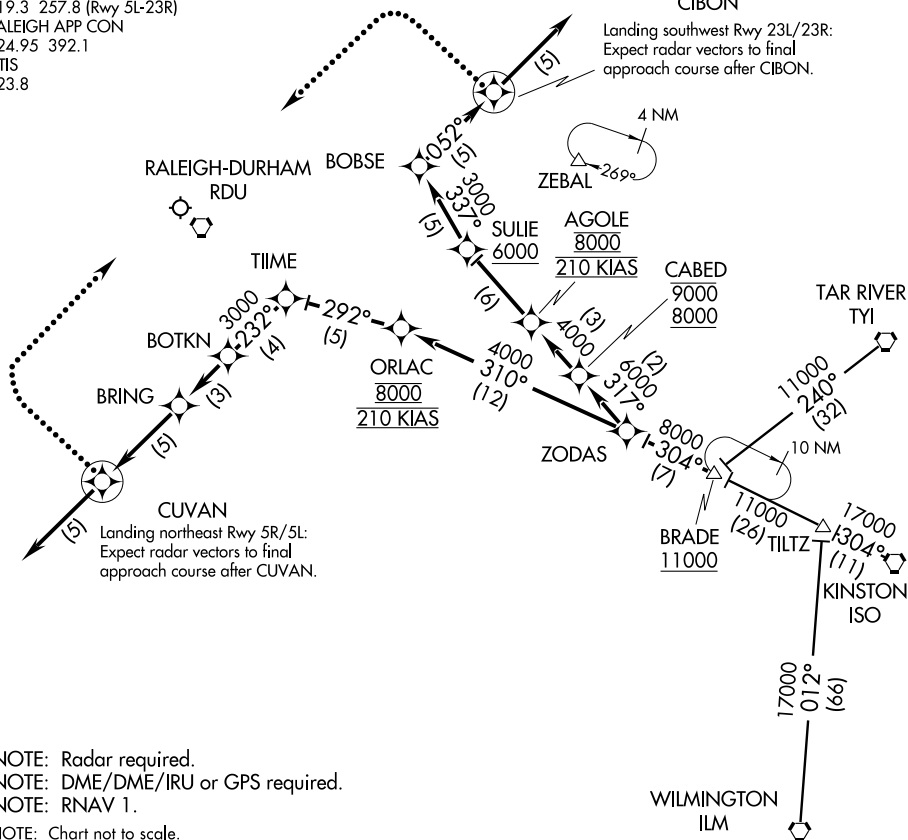
124.95 392.1

ATIS

123.8

CIBON

Landing southwest Rwy 23L/23R:
Expect radar vectors to final
approach course after CIBON.



NOTE: Radar required.

NOTE: DME/DME/IRU or GPS required.

NOTE: RNAV 1.

NOTE: Chart not to scale.

KINSTON TRANSITION (ISO.ZODAS1):

TAR RIVER TRANSITION (TYL ZODAS1):

WILMINGTON TRANSITION (ILM.ZODAS1):

... From over BRADE via 304° track to ZODAS, thence via assigned runway transition.

Landing Southeast Rwy 23L/23R: From over ZODAS via 317° track to CABED, then via 317° track to AGOLE, then via 317° track to SUJIE, then via 337° track to BOBSE, then via 052° track to CIBON, then via 052° heading. Expect radar vectors to final approach course.

Landing Northeast Rwy 5L/5R: From over ZODAS via 310° track to ORLAC, then via 292° track to TIIME, then via 232° track to BOTKN, then via 232° track to BRING, then via 232° track to CUVAN, then via 232° heading. Expect radar vectors to final approach course.

LOST COMMUNICATIONS:

LANDING SOUTHWEST: At CIBON fly heading 320°, maintain 4000: intercept and execute ILS Rwy 23L approach. If unable, proceed to ZEBUL and hold; maintain 5000.

LANDING NORTHEAST: At CUVAN fly heading 320°, maintain 4000: intercept and execute ILS Rwy 5R approach. If unable, proceed to ZEBUL and hold, maintain 5000.

ZODAS ONE ARRIVAL (RNAV)

RALEIGH/DURHAM, NORTH CAROLINA

RALEIGH-DURHAM INTL

(BRADE.ZODAS1) 10266

SE-2. 21 OCT 2010 to 18 NOV 2010

REIDSVILLE

ROCKINGHAM CO NC SHILOH (SIF) 8 NW UTC-5(-4DT) N36°26.23' W79°51.06'

CINCINNATI

694 B S4 FUEL 100LL, JET A1+ OX 2,3 NOTAM FILE SIF

H-9B, 12H, L-26J, 36F
IAP

RWY 13-31: H5199X100 (ASPH) S-12.5, D-24 MIRL 0.5% up NW

RWY 13: PAPI(P2L)—GA 4.0° TCH 42'. Thld splcd 200'. Ground.

RWY 31: REIL. PAPI(P2L)—GA 4.0° TCH 41'. Ground.

AIRPORT REMARKS: Attended 1300-2300Z±. Arpt unattended Christmas, New Years and Thanksgiving Day. Fuel avbl 24 hrs self svc. Deer on and invof arpt. 120 ft trees 1800 ft from Rwy 13 thld. ACTIVATE MIRL Rwy 13-31; PAPI Rwy 31 and REIL Rwy 31—CTAF.

WEATHER DATA SOURCES: AWOS-3 119.775 (336) 573-3677.

COMMUNICATIONS: CTAF/UNICOM 122.8

® GREENSBORO APP/DEP CON 124.35

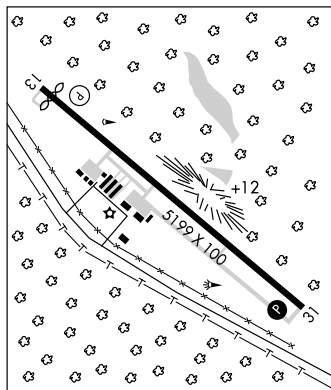
RADIO AIDS TO NAVIGATION: NOTAM FILE GSO.

GREENSBORO (H) VORTAC 116.2 GSO Chan 109 N36°02.74'

W79°58.58' 018° 24.2 NM to fld. 879/03W. HIWAS.

SLAMMER NDB (MHW) 423 SIF N36°22.90' W79°45.77' 315°

5.4 NM to fld. NOTAM FILE RDU.



WARF (6A5) 3 SW UTC-5(-4DT) N36°19.01' W79°42.49'

CINCINNATI

820 NOTAM FILE RDU

RWY 17-35: 2550X150 (CONC-TURF) S-8 LIRL (NSTD)

RWY 17: Tree. RWY 35: Trees.

AIRPORT REMARKS: Unattended. Deer on and invof arpt. For LIRL Rwy 17-35 call 336-349-2195. Rwy 17-35 NSTD LIRL, no thld lights on north end. Only south 2375' of rwy lighted. All edge lights OTS indef. Rwy 17-35 concrete portion 900X18 at North end. Rwy 35 has uphill grade. Rwy 35 has more than 50' dropoff/downslope 35' from thld both sides.

COMMUNICATIONS: CTAF 122.9

RICHMOND CO (See ROCKINGHAM)

ROANOKE RAPIDS

HALIFAX-NORTHAMPTON RGNL (IXA) 8 S UTC-5(-4DT) N36°19.79' W77°38.11'

WASHINGTON

145 B FUEL 100LL, JET A1+ NOTAM FILE RDU

H-9C, 12H, L-35C, 36G
IAP

RWY 02-20: H5500X100 (ASPH) S-45, D-65 HIRL

RWY 02: REIL. PAPI(P2L)—GA 3.0° TCH 25'. Trees.

RWY 20: REIL. PAPI(P2L)—GA 3.0° TCH 24'. Trees.

AIRPORT REMARKS: Attended Mon-Sat 1300-2200Z±, Sun 1700-2200Z±. 24 hrs self svc with credit card. For svc after hrs contact 252-673-2793. CLOSED New Years Day, Easter, Jul 4th, Thanksgiving, Christmas. Birds on and invof arpt. PAEW on and invof arpt for parallel twy construction. 24 hrs access to pilots lounge, ctc 252-673-2793 for code. ACTIVATE HIRL Rwy 02-20 and PAPI Rwy 02 and Rwy 20, REIL Rwy 02 and Rwy 20—CTAF.

WEATHER DATA SOURCES: ASOS 119.975 (252)583-3446.

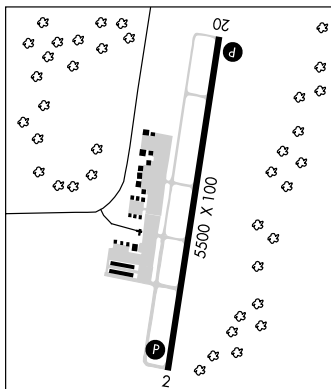
COMMUNICATIONS: CTAF/UNICOM 123.075

WASHINGTON CENTER APP/DEP CON 132.02

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

TAR RIVER (L) VORTAC 117.8 TYI Chan 125 N35°58.61'

W77°42.23' 014° 21.4 NM to fld. 70/50W.



ROBESON N34°36.81' W79°03.59' NOTAM FILE LBT.

CHARLOTTE

NDB (MHW) 359 RSY at Lumberton Muni. NDB unmonitored 0100-1300Z± Mon-Fri, 0000-1500Z± L-24J, 35A, 36E.

Fri-Sat. 0000-1300Z± Sun-Mon.

NDB	SIF	APP CRS	Rwy Idg	5199
<u>423</u>		315°	TDZE	668
			Apt Elev	694

NDB RWY 31

REIDSVILLE/ ROCKINGHAM COUNTY NC SHILOH (SIF)

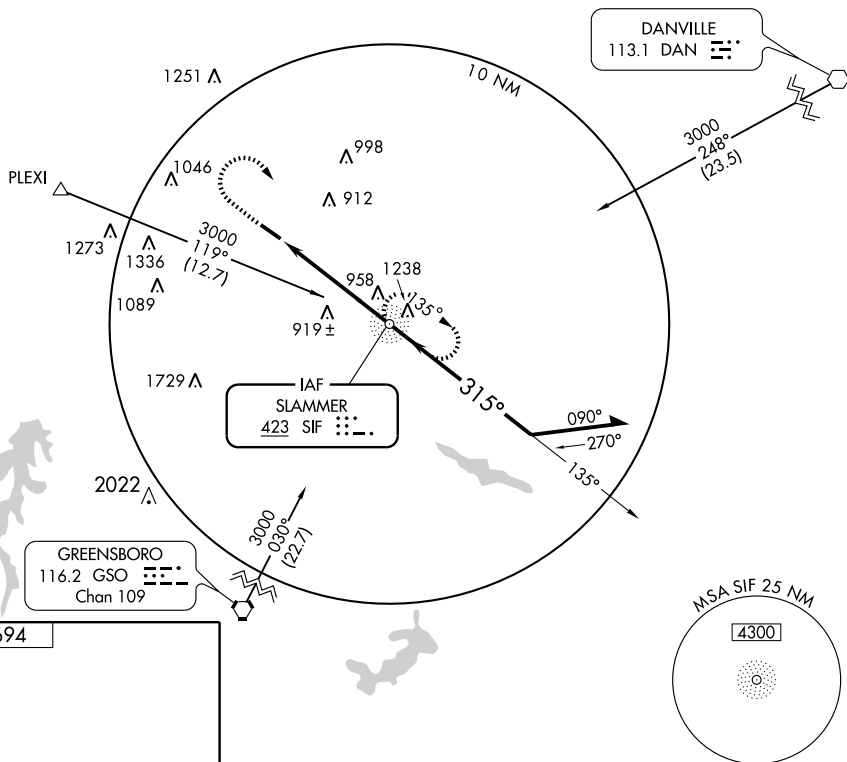
V Visibility reduction by helicopters NA. When local altimeter setting not received use Greensboro altimeter setting and increase all MDA 100 feet, increase S-31 Cats C and D and Circling Cats C and D visibility ¼ mile.

MISSED APPROACH: Climb to 1600 then climbing right turn to 2600 direct SIF NDB and hold.

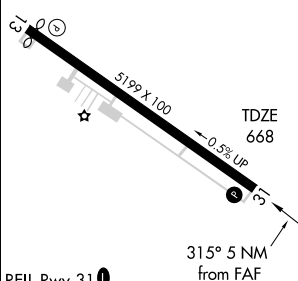
AWOS-3
119.775

GREENSBORO APP CON
124.35 269.225

UNICOM
122.8 (CTAF) 0



ELEV 694



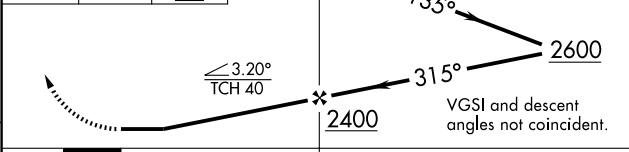
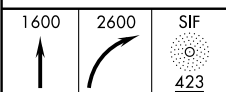
REIL Rwy 31
HIRL Rwy 13-31

FAF to MAP 5 NM

Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

REIDSVILLE, NORTH CAROLINA

Amdt 5 22OCT09



CATEGORY	A	B	C	D
S-31	1220-1	552 (600-1)	1220-1½ 552 (600-1½)	1220-1¾ 552 (600-1¾)
CIRCLING	1260-1 566 (600-1)	1280-1 586 (600-1)	1320-1¾ 626 (700-1¾)	1320-2 626 (700-2)

REIDSVILLE/ ROCKINGHAM COUNTY NC SHILOH (SIF)

36° 26' N-79° 51' W

NDB RWY 31

APP CRS **132°**
Rwy ldg **4999**
TDZE **691**
Apt Elev **694**

RNAV (GPS) RWY 13

REIDSVILLE/ ROCKINGHAM COUNTY NC SHILOH (SIF')

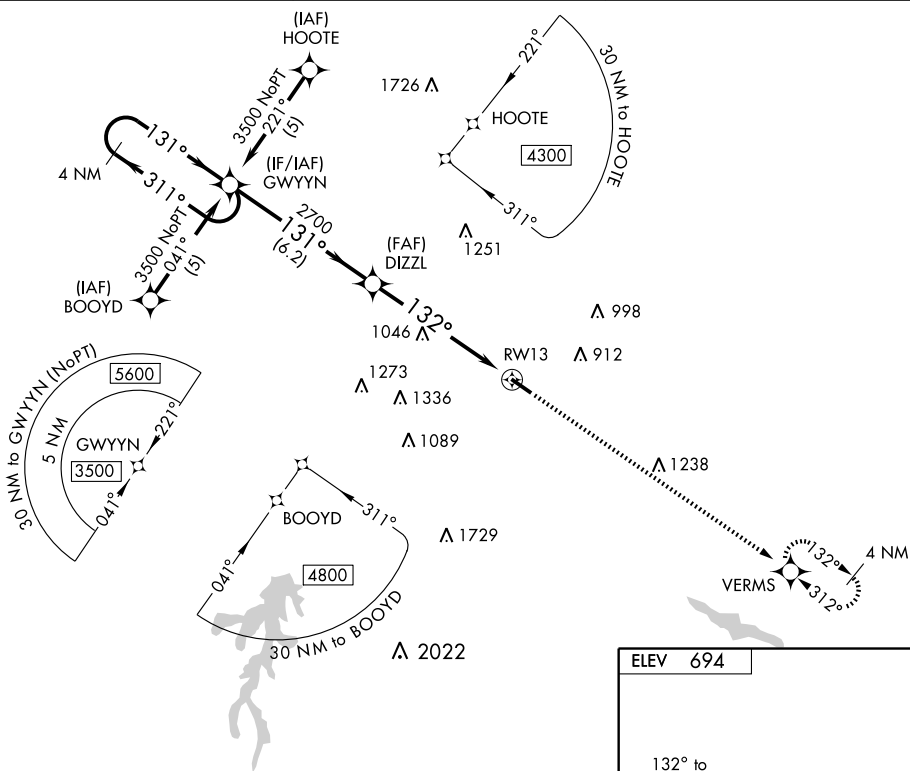
V DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received use Greensboro altimeter setting and increase all MDA 100 feet, increase LNAV Cats C and D and Circling Cats C and D visibility $\frac{1}{4}$ mile.

MISSED APPROACH:
Climb to 3600 direct VERMS and hold.

AWOS-3
119.775

GREENSBORO APP CON
124.35 269.225

UNICOM
122.8 (CTAF) 0



4 NM
Holding Pattern

GWYYN
3500
← 311°
→ 131°

VGSI and descent
angles not coincident.

DIZZL

2700

132°

3.06°

TCH 33

RW13

3600

↑

VERMS

✧

ELEV 694

132° to
RW13

311°

TDZE
691

✧

5199 X 100

→ 0.5% UP

✧

CATEGORY	A	B	C	D
LNAV MDA	1300-1	609 (700-1)	1300-1 $\frac{3}{4}$ 609 (700-1 $\frac{3}{4}$)	1300-2 609 (700-2)
CIRCLING	1300-1	606 (700-1)	1320-1 $\frac{3}{4}$ 626 (700-1 $\frac{3}{4}$)	1320-2 626 (700-2)

REIL Rwy 31 0
HIRL Rwy 13-31 0

APP CRS	Rwy Idg	5199
312°	TDZE	668
	Apt Elev	694

RNAV (GPS) RWY 31

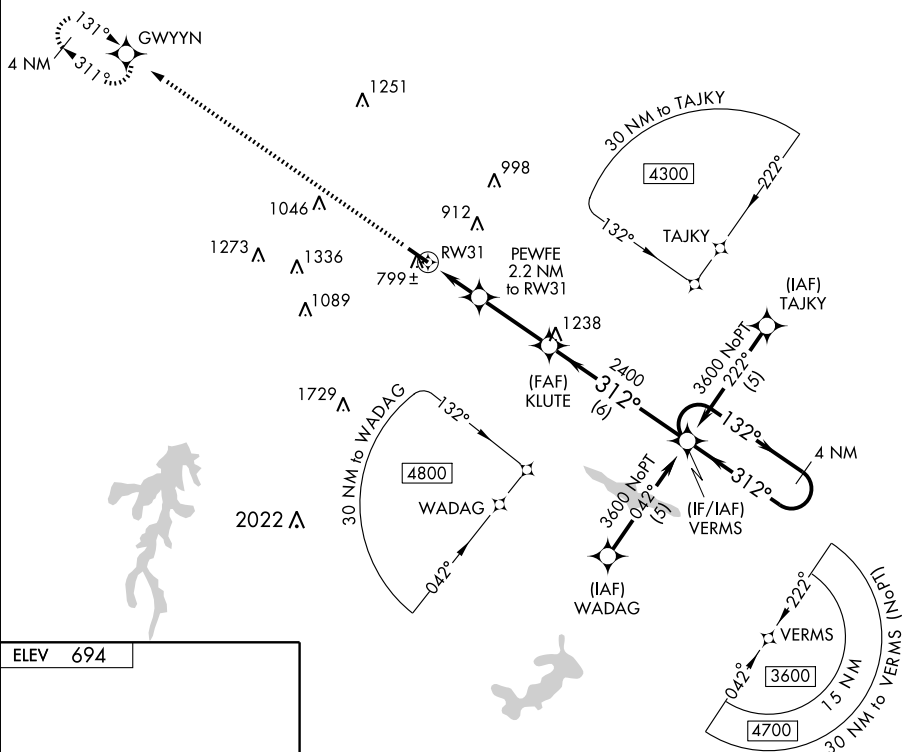
REIDSVILLE/ ROCKINGHAM COUNTY NC SHILOH (SIF)

- T** DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received use Greensboro altimeter setting and increase all MDA 100 feet, increase LNAV Cats C and D, and Circling Cats C and D visibility $\frac{1}{4}$ mile.

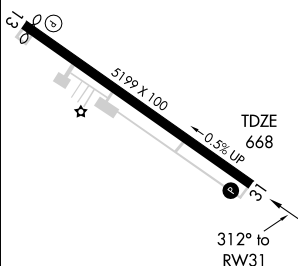
MISSED APPROACH:
Climb to 3500 direct
GWYYN and hold.

AWOS-3
119.775

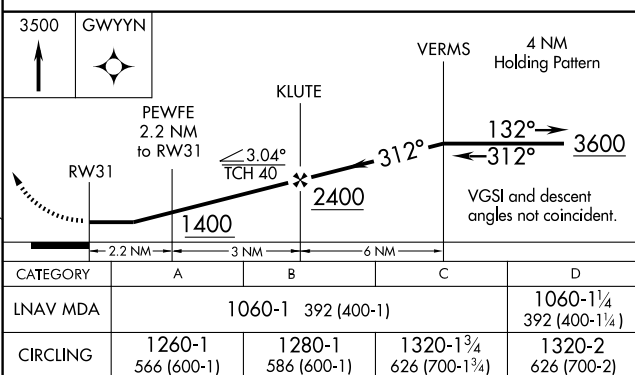
GREENSBORO APP CON
124,35 269,225

UNICOM
122.8 (CTAF) **L**

ELEV 694



REIL Rwy 31 **L**
HIRL Rwy 13-31 **L**



REIDSVILLE, NORTH CAROLINA
Orig 22OCT09

REIDSVILLE/ ROCKINGHAM COUNTY NC SHILOH (SIF)
36° 26'N-79° 51'W PNAY (GPS) PWY 31

RNAV (GPS) RWY 31

SE-2. 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

VORTAC GSO 116.2 Chan 109	APP CRS 018°	Rwy Idg TDZE Apt Elev	N/A N/A 694
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VOR/DME-A

REIDSVILLE/ROCKINGHAM COUNTY NC SHILOH (SIF)

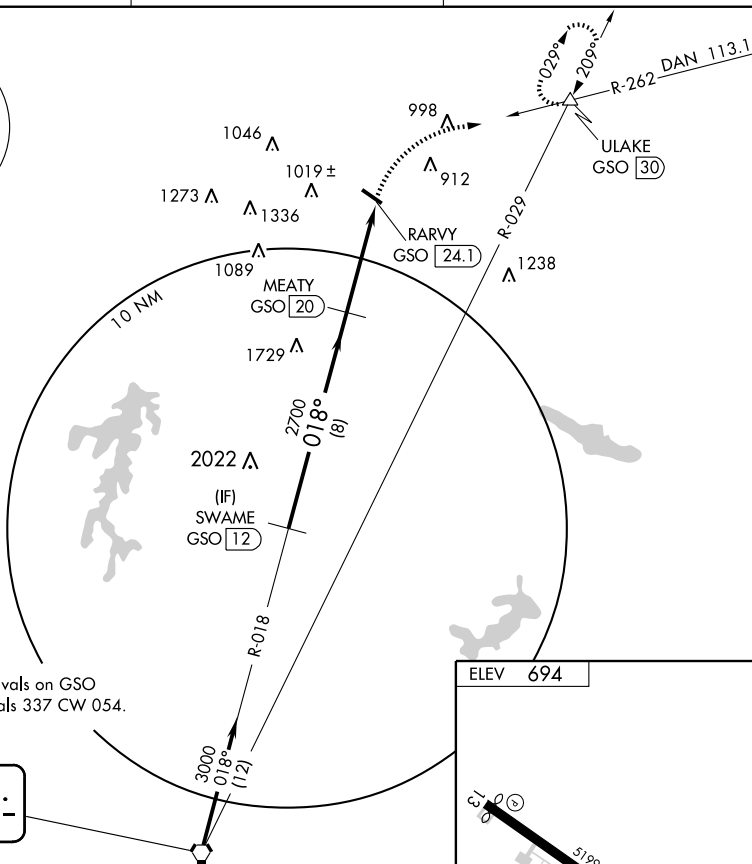
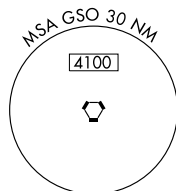
V Visibility reduction by helicopters NA. When local altimeter setting not received use Greensboro altimeter setting and increase MDA 100 feet and increase Cats C and D visibility ¼ mile.

MISSED APPROACH: Climbing right turn to 3100 via DAN VOR R-262 to ULAKE/GSO 30 DME and hold.

AWOS-3
119.775

GREENSBORO APP CON
124.35 269.225

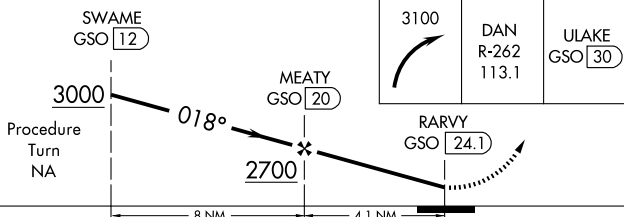
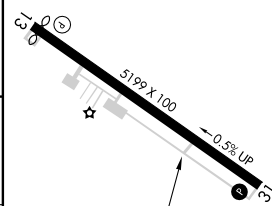
UNICOM
122.8 (CTAF) **0**



Procedure NA for arrivals on GSO VORTAC airway radials 337 CW 054.

IAF
GREENSBORO
116.2 GSO
Chan 109

ELEV 694



CATEGORY	A	B	C	D
CIRCLING	1400-1 706 (800-1)	1400-1¼ 706 (800-1¼)	1400-2 706 (800-2)	1400-2¼ 706 (800-2¼)

018° 4.1 NM
from FAF

REIL Rwy 31 **0**
HIRL Rwy 13-31 **0**

REIDSVILLE

ROCKINGHAM CO NC SHILOH (SIF) 8 NW UTC-5(-4DT) N36°26.23' W79°51.06'

CINCINNATI

694 B S4 FUEL 100LL, JET A1+ OX 2,3 NOTAM FILE SIF

H-9B, 12H, L-26J, 36F
IAP

RWY 13-31: H5199X100 (ASPH) S-12.5, D-24 MIRL 0.5% up NW

RWY 13: PAPI(P2L)—GA 4.0° TCH 42'. Thld splcd 200'. Ground.

RWY 31: REIL. PAPI(P2L)—GA 4.0° TCH 41'. Ground.

AIRPORT REMARKS: Attended 1300-2300Z±. Arpt unattended Christmas, New Years and Thanksgiving Day. Fuel avbl 24 hrs self svc. Deer on and invof arpt. 120 ft trees 1800 ft from Rwy 13 thld. ACTIVATE MIRL Rwy 13-31; PAPI Rwy 31 and REIL Rwy 31—CTAF.

WEATHER DATA SOURCES: AWOS-3 119.775 (336) 573-3677.

COMMUNICATIONS: CTAF/UNICOM 122.8

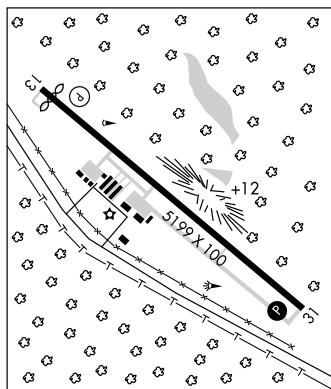
® **GREENSBORO APP/DEP CON** 124.35

RADIO AIDS TO NAVIGATION: NOTAM FILE GSO.

GREENSBORO (H) VORTAC 116.2 GSO Chan 109 N36°02.74'

W79°58.58' 018° 24.2 NM to fld. 879/03W. HIWAS.

SLAMMER NDB (MHW) 423 SIF N36°22.90' W79°45.77' 315°
5.4 NM to fld. NOTAM FILE RDU.



WARF (6A5) 3 SW UTC-5(-4DT) N36°19.01' W79°42.49'

CINCINNATI

820 NOTAM FILE RDU

RWY 17-35: 2550X150 (CONC-TURF) S-8 LIRL (NSTD)

RWY 17: Tree. RWY 35: Trees.

AIRPORT REMARKS: Unattended. Deer on and invof arpt. For LIRL Rwy 17-35 call 336-349-2195. Rwy 17-35 NSTD LIRL, no thld lights on north end. Only south 2375' of rwy lighted. All edge lights OTS indef. Rwy 17-35 concrete portion 900X18 at North end. Rwy 35 has uphill grade. Rwy 35 has more than 50' dropoff/downslope 35' from thld both sides.

COMMUNICATIONS: CTAF 122.9

RICHMOND CO (See ROCKINGHAM)

ROANOKE RAPIDS

HALIFAX-NORTHAMPTON RGNL (IXA) 8 S UTC-5(-4DT) N36°19.79' W77°38.11'

WASHINGTON

145 B FUEL 100LL, JET A1+ NOTAM FILE RDU

H-9C, 12H, L-35C, 36G
IAP

RWY 02-20: H5500X100 (ASPH) S-45, D-65 HIRL

RWY 02: REIL. PAPI(P2L)—GA 3.0° TCH 25'. Trees.

RWY 20: REIL. PAPI(P2L)—GA 3.0° TCH 24'. Trees.

AIRPORT REMARKS: Attended Mon-Sat 1300-2200Z±, Sun 1700-2200Z±. 24 hrs self svc with credit card. For svc after hrs contact 252-673-2793. CLOSED New Years Day, Easter, Jul 4th, Thanksgiving, Christmas. Birds on and invof arpt. PAEW on and invof arpt for parallel twy construction. 24 hrs access to pilots lounge, ctc 252-673-2793 for code. ACTIVATE HIRL Rwy 02-20 and PAPI Rwy 02 and Rwy 20, REIL Rwy 02 and Rwy 20—CTAF.

WEATHER DATA SOURCES: ASOS 119.975 (252)583-3446.

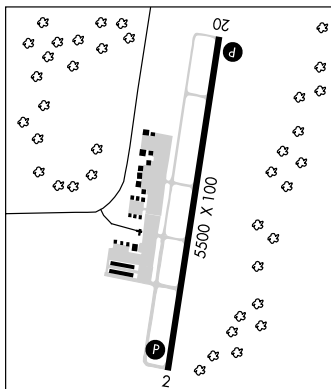
COMMUNICATIONS: CTAF/UNICOM 123.075

WASHINGTON CENTER APP/DEP CON 132.02

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

TAR RIVER (L) VORTAC 117.8 TYI Chan 125 N35°58.61'

W77°42.23' 014° 21.4 NM to fld. 70/50W.



ROBESON N34°36.81' W79°03.59' NOTAM FILE LBT.

CHARLOTTE

NDB (MHW) 359 RSY at Lumberton Muni. NDB unmonitored 0100-1300Z± Mon-Fri, 0000-1500Z± L-24J, 35A, 36E
Fri-Sat. 0000-1300Z± Sun-Mon.

APP CRS **019°**
 Rwy Idg **5500**
 TDZE **143**
 Apt Elev **145**

RNAV (GPS) RWY 2

ROANOKE RAPIDS/HALIFAX-NORTHAMPTON RGNL (IXA)

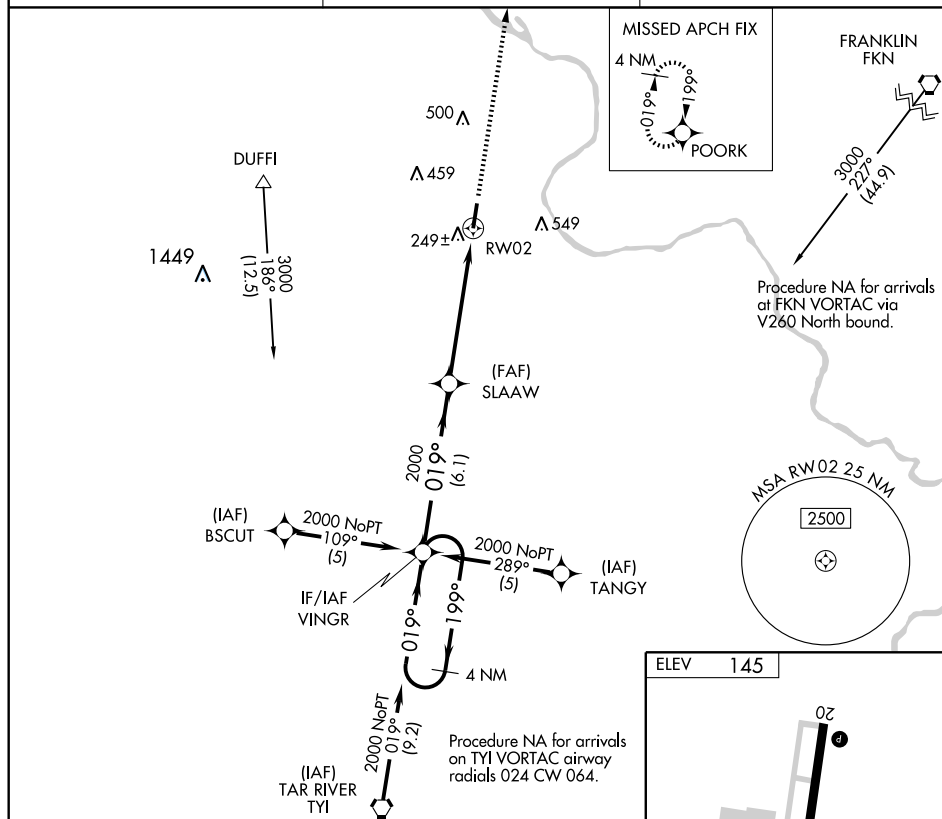
A DME/DME RNP-0.3 NA. When local altimeter setting not received, use Aoshkie altimeter setting and increase all MDA 80 feet, and LNAV Cats. C/D visibilities ¼ mile. Circling NA east of Rwy 2-20. VDP NA when using Aoshkie altimeter setting.

MISSED APPROACH:
 Climb to 2000 direct POORK and hold.

ASOS
119.975

WASHINGTON CENTER
132.02 290.425

UNICOM
123.075 (CTAF)



CATEGORY	A	B	C	D
LNAV MDA	520-1	377 (400-1)	520-1¼	377 (400-1¼)
CIRCLING	560-1 415 (500-1)	600-1 455 (500-1)	600-1½ 455 (500-1½)	700-2 555 (600-2)

ROANOKE RAPIDS, NORTH CAROLINA

Orig-A 09351

ROANOKE RAPIDS/HALIFAX-NORTHAMPTON RGNL (IXA)

36°20'N - 77°38'W

RNAV (GPS) RWY 2

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

RNAV (GPS) RWY 20

ROANOKE RAPIDS/HALIFAX-NORTHAMPTON RGNL (IXA)

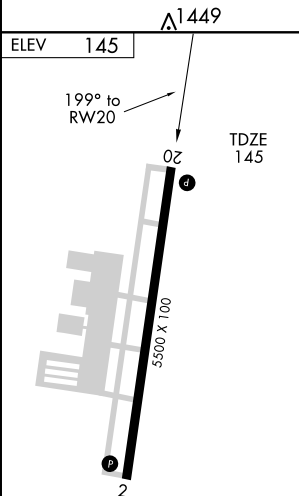
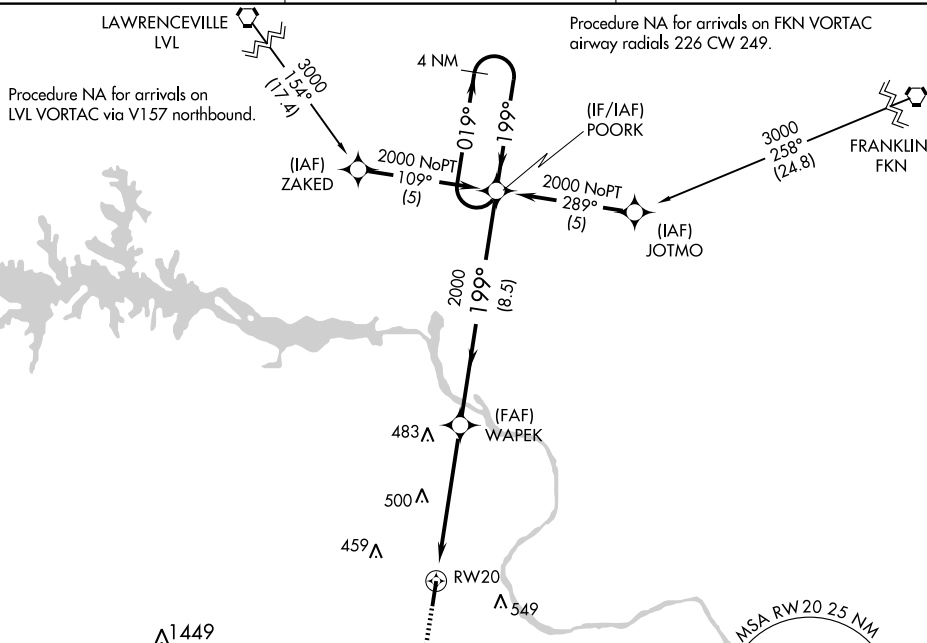
A DME/DME RNP -0.3 NA. When local altimeter setting not received, use Ahoskie altimeter setting and increase all MDA 80 feet, increase LNAV and Circling Cats. C/D visibility $\frac{1}{4}$ mile. VDP NA when using Ahoskie altimeter setting. Circling NA east of Rwy 2-20.

MISSED APPROACH:
Climb to 2000 direct VINGR and hold.

ASOS
119.975

WASHINGTON CENTER
132.02 290.425

UNICOM
123.075 (CTAF) 0



HIRL Rwy 2-20 0
REIL Rwy 2 and 20 0

CATEGORY	A		B		C		D	
	LNAV MDA		LNAV MDA		LNAV MDA		LNAV MDA	
CIRCLING	760-1		615 (700-1)		760-1 $\frac{3}{4}$		760-2	
	760-1		615 (700-1)		615 (700-1 $\frac{3}{4}$)		615 (700-2)	

ROANOKE RAPIDS, NORTH CAROLINA

Orig-A 09351

ROANOKE RAPIDS/HALIFAX-NORTHAMPTON RGNL (IXA)

36°20'N - 77°38'W

RNAV (GPS) RWY 20

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

APP CRS 014°	Rwy Idg TDZE Apt Elev	5500 143 145
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VOR/DME RWY 2

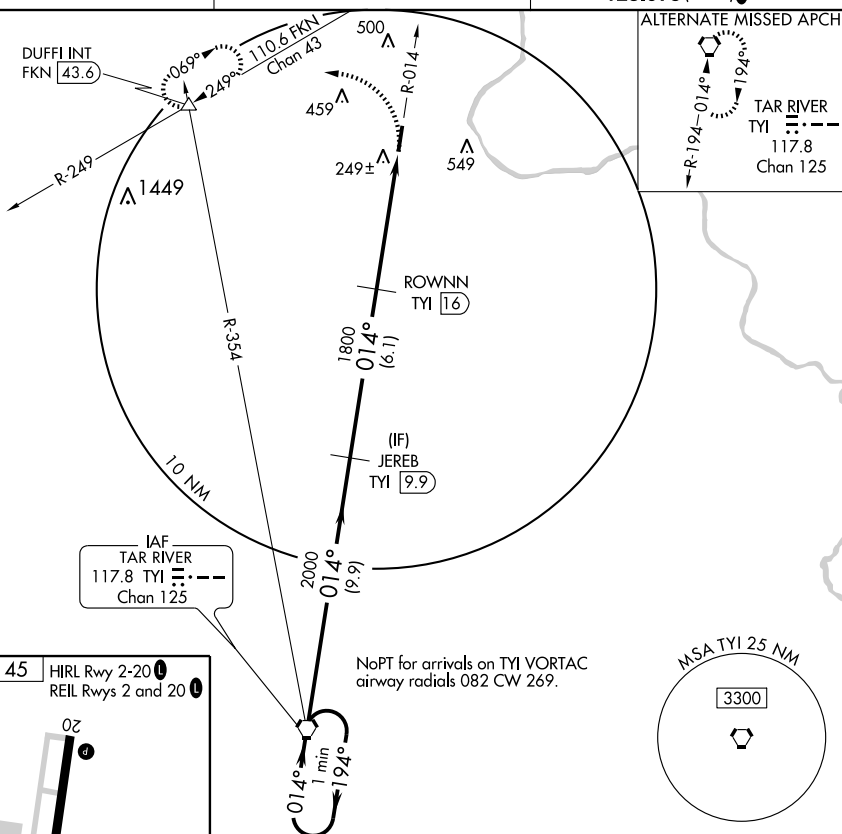
ROANOKE RAPIDS/ HALIFAX-NORTHAMPTON RGNL (IXA)

A Circling NA east of Rwy 2-20. When local altimeter setting not received, use Ahoskie altimeter setting and increase all MDA 80 feet, increase S-2 and Circling Cats. C/D visibility $\frac{1}{4}$ mile.

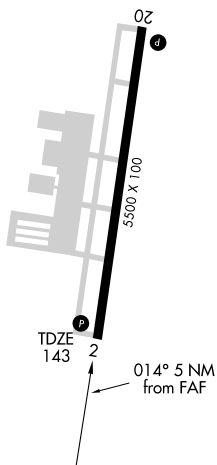
MISSED APPROACH: Climbing left turn to 2500 via heading 330° and FKN VORTAC R-249 to DUFFI INT/FKN 43.6 DME and hold, continue climb-in-hold to 2500.

ASOS
119.975

WASHINGTON CENTER
132.02 290,425

UNICOM
123.075 (CTAF) L

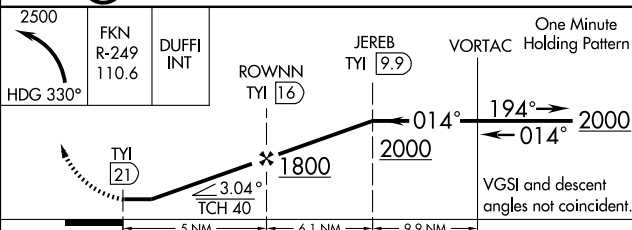
ELEV	145	HIRL Rwy 2-20 L
		REIL Rwy 2 and 20 L



NoPT for arrivals on TYI VORTAC
airway radials 082 CW 269.

MSA TYI 25 NM

3300



CATEGORY	A	B	C	D
S-2	760-1 617 (700-1)	760-1¼ 617 (700-1¼)	760-1¾ 617 (700-1¾)	760-2 617 (700-2)
CIRCLING	760-1 615 (700-1)	760-1¼ 615 (700-1¼)	760-1¾ 615 (700-1¾)	760-2 615 (700-2)

ROANOKE RAPIDS, NORTH CAROLINA

Orig-A 09351

ROANOKE RAPIDS/HALIFAX-NORTHAMPTON RGNL (IXA)

36°20'N - 77°38'W

VOR/DME RWY 2

SE-2. 21 OCT 2010 to 18 NOV 2010

ROCKINGHAM

RICHMOND CO (RCZ) 3 S UTC-5(-4DT) N34°53.48' W79°45.58'

358 B FUEL 100LL, A1+ NOTAM FILE RDU

RWY 14-32: H500X100 (ASPH) S-30 MIRL

RWY 14: PAPI(P2L)-GA 3.15° TCH 34. Road.

RWY 32: REIL. PAPI(P2L)-GA 3.15° TCH 26'. Thld dsplcd 200'.

Railroad.

RWY 04-22: 3009X500 (TURF)

RWY 04: Trees.

RWY 22: Trees.

AIRPORT REMARKS: Attended Mon-Sat 1230-2230Z†. For arpt attendant ngts and Sun call 910-895-6691. 100LL 24hr self-svc with credit card. RWY 04-22 CLOSED to all turbine engine acft. RWY 14 inadequate safety area 60 ft drop off 125 ft from thld both sides. ACTIVATE MIRL RWY 14-32 and PAPI RWYS 14 and 32 and REIL RWY 32-CTAF.

WEATHER DATA SOURCES: AWOS-3 118.775 (910) 997-4093.

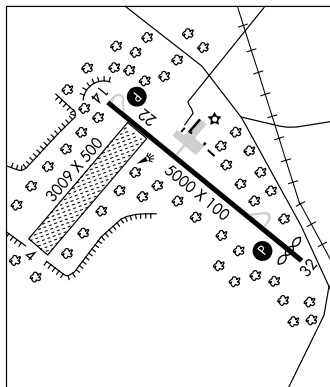
COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ FAYETTEVILLE APP/DEP CON 127.8

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

SANDHILLS (L) VORTAC 111.8 SDZ Chan 55 N35°12.93' W79°35.28' 207° 21.2 NM to fld. 590/03W.

ROSCOE NDB (MHW) 375 RCZ N34°51.16' W79°41.62' 312° 4.0 NM to fld.



ROCKINGHAM CO HELIPORT (See EDEN)

ROCKINGHAM CO NC SHILOH (See REIDSVILLE)

ROCKY MOUNT-WILSON RGNL (RWI) 7 SW UTC-5(-4DT) N35°51.38' W77°53.52'

159 B S4 FUEL 100LL, JET A OX 1 Class IV, ARFF Index A NOTAM FILE RWI

RWY 04-22: H7100X150 (ASPH-GRVD) S-62, D-75, 2S-95, 2D-140 HIRL

RWY 04: MALSR. PAPI(P4L)-GA 3.0° TCH 56'.

RWY 22: REIL. PAPI(P4L)-GA 3.0° TCH 45'. Trees.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 04: TORA-7100 TODA-7100 ASDA-7100 LDA-7100

RWY 22: TORA-7100 TODA-7100 ASDA-6900 LDA-6900

AIRPORT REMARKS: Attended Mon-Fri 1100-0300Z†, Sat-Sun 1200-0300Z†. CLOSED to air carrier opr with more than 30 passenger seats except with 24 hr PPR call arpt manager 252-446-7057. ACTIVATE HIRL RWY 04-22; MALSR RWY 04; and REIL RWY 22-CTAF.

WEATHER DATA SOURCES: ASOS 118.875 (252) 446-0732.

COMMUNICATIONS: CTAF/UNICOM 123.05

RCO 122.2 (RALEIGH RADIO) RCO 122.3 (RALEIGH RADIO)

Ⓡ WASHINGTON CENTER APP/DEP CON 118.475

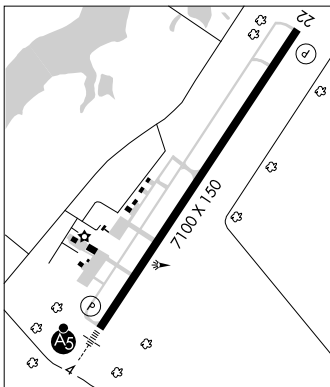
AIRSPACE: CLASS E svc 1300-2300Z† other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

TAR RIVER (L) VORTAC 117.8 TYI Chan 125 N35°58.61' W77°42.23' 237° 11.7 NM to fld. 70/05W.

ILS 108.3 I-RWI RWY 04 Class IA. ILS unmonitored.

COMM/NAV/WEATHER REMARKS: Cinc del provided by RALEIGH AFSS on frequency 122.3.



ROSCOE N34°51.16' W79°41.62' NOTAM FILE RDU.

NDB (MHW) 375 RCZ 312° 4.0 NM to Richmond Co.

ROVDY N35°43.99' W80°29.37' NOTAM FILE RUQ.

NDB (MHW/LOM) 275 RU 202° 5.4 NM to Rowan Co.

ROWAN CO (See SALISBURY)

CHARLOTTE

H-9C, 12H, L-25E, 35A, 36E
IAP

CHARLOTTE

L-25E, 35A, 36E

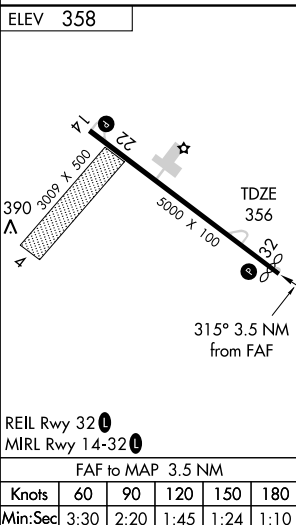
CHARLOTTE

L-25D, 36F

ROCKINGHAM/ RICHMOND COUNTY (RCZ)

MISSED APPROACH: Climb to 1400 then climbing left turn to 2100 direct RCZ NDB and hold.

UNICOM
122.8 (CTAF) **L**



FAF to MAP 3.5 NM

Knots	60	90	120	150	180
Min:Sec	3:30	2:20	1:45	1:24	1:10

ROCKINGHAM/RICHMOND COUNTY (RCZ)

34°53'N-79°46'W

NDB RWY 32

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

WAAS CH 63217 W32A	APP CRS 315°	Rwy Idg TDZE Apt Elev	4799 356 358
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RNAV (GPS) RWY 32

ROCKINGHAM/ RICHMOND COUNTY (R/CZ)

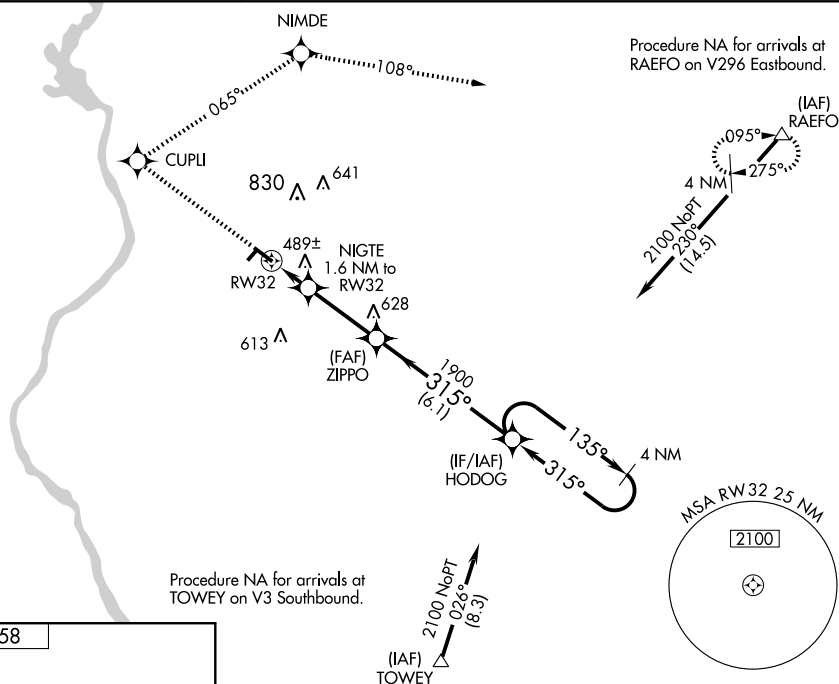
When VGSi Inop, procedure NA at night. Baro-VNAV NA when using MacKall AAF altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use MacKall AAF altimeter setting and increase all DA 39 feet and all MDA 40 feet and increase LNAV/VNAV all Cats and LNAV Cat C visibility ¼ mile.

MISSED APPROACH: Climb to 2400 direct CUPLI and right turn on track 065° to NIMDE and on track 108° to RAEFO and hold.

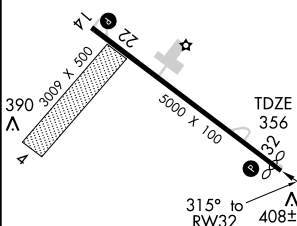
AWOS-3
118.775

FAYETTEVILLE APP CON
127.8 343.725

UNICOM
122.8 (CTAF) 0



ELEV 358



2400	CUPLI	NIMDE	RAEFO	HODOG	4 NM Holding Pattern
↑	✱	tr 065°	tr 108°	△	
*LNAV only		NIGTE 1.6 NM to RW32	ZIPPO 1900	135°	2100
		RW32	ZIPPO 1900	315°	GS 3.00° TCH 40
		900	1900	135°	VGSi and RNAV glidepath not coincident.
		1.6	3 NM	6.1 NM	
CATEGORY	A	B	C	D	
LPV DA	615-1 259 (300-1)				
LNAV/VNAV DA	794-1½ 438 (500-1½)				
LNAV MDA	740-1 384 (400-1)			740-1¼ 384 (400-1¼)	
CIRCLING	800-1 442 (500-1)	820-1 462 (500-1)	820-1½ 462 (500-1½)	920-2 562 (600-2)	

REIL Rwy 32 0

MIRL Rwy 14-32 0

ROCKINGHAM, NORTH CAROLINA

Orig 03JUN10

ROCKINGHAM/ RICHMOND COUNTY (R/CZ)

34°53'N-79°46'W

RNAV (GPS) RWY 32

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

ROCKINGHAM

RICHMOND CO (RCZ) 3 S UTC-5(-4DT) N34°53.48' W79°45.58'

358 B FUEL 100LL, A1+ NOTAM FILE RDU

RWY 14-32: H500X100 (ASPH) S-30 MIRL

RWY 14: PAPI(P2L)-GA 3.15° TCH 34. Road.

RWY 32: REIL. PAPI(P2L)-GA 3.15° TCH 26'. Thld dsplcd 200'.

Railroad.

RWY 04-22: 3009X500 (TURF)

RWY 04: Trees.

RWY 22: Trees.

AIRPORT REMARKS: Attended Mon-Sat 1230-2230Z†. For arpt attendant ngts and Sun call 910-895-6691. 100LL 24hr self-svc with credit card. RWY 04-22 CLOSED to all turbine engine acft. RWY 14 inadequate safety area 60 ft drop off 125 ft from thld both sides. ACTIVATE MIRL RWY 14-32 and PAPI RWYS 14 and 32 and REIL RWY 32-CTAF.

WEATHER DATA SOURCES: AWOS-3 118.775 (910) 997-4093.

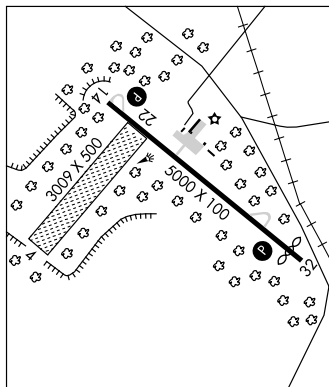
COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ FAYETTEVILLE APP/DEP CON 127.8

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

SANDHILLS (L) VORTAC 111.8 SDZ Chan 55 N35°12.93' W79°35.28' 207° 21.2 NM to fld. 590/03W.

ROSCOE NDB (MHW) 375 RCZ N34°51.16' W79°41.62' 312° 4.0 NM to fld.



ROCKINGHAM CO HELIPORT (See EDEN)

ROCKINGHAM CO NC SHILOH (See REIDSVILLE)

ROCKY MOUNT-WILSON RGNL (RWI) 7 SW UTC-5(-4DT) N35°51.38' W77°53.52'

159 B S4 FUEL 100LL, JET A OX 1 Class IV, ARFF Index A NOTAM FILE RWI

RWY 04-22: H7100X150 (ASPH-GRVD) S-62, D-75, 2S-95, 2D-140 HIRL

RWY 04: MALSR. PAPI(P4L)-GA 3.0° TCH 56'.

RWY 22: REIL. PAPI(P4L)-GA 3.0° TCH 45'. Trees.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 04: TORA-7100 TODA-7100 ASDA-7100 LDA-7100

RWY 22: TORA-7100 TODA-7100 ASDA-6900 LDA-6900

AIRPORT REMARKS: Attended Mon-Fri 1100-0300Z†, Sat-Sun 1200-0300Z†. CLOSED to air carrier opr with more than 30 passenger seats except with 24 hr PPR call arpt manager 252-446-7057. ACTIVATE HIRL RWY 04-22; MALSR RWY 04; and REIL RWY 22-CTAF.

WEATHER DATA SOURCES: ASOS 118.875 (252) 446-0732.

COMMUNICATIONS: CTAF/UNICOM 123.05

RCO 122.2 (RALEIGH RADIO) RCO 122.3 (RALEIGH RADIO)

Ⓡ WASHINGTON CENTER APP/DEP CON 118.475

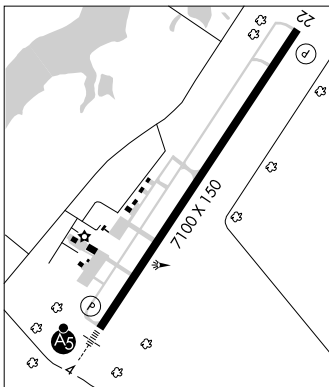
AIRSPACE: CLASS E svc 1300-2300Z† other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

TAR RIVER (L) VORTAC 117.8 TYI Chan 125 N35°58.61' W77°42.23' 237° 11.7 NM to fld. 70/05W.

ILS 108.3 I-RWI RWY 04 Class IA. ILS unmonitored.

COMM/NAV/WEATHER REMARKS: Cinc del provided by RALEIGH AFSS on frequency 122.3.



ROSCOE N34°51.16' W79°41.62' NOTAM FILE RDU.

NDB (MHW) 375 RCZ 312° 4.0 NM to Richmond Co.

ROVDY N35°43.99' W80°29.37' NOTAM FILE RUQ.

NDB (MHW/LOM) 275 RU 202° 5.4 NM to Rowan Co.

ROWAN CO (See SALISBURY)

CHARLOTTE

H-9C, 12H, L-25E, 35A, 36E
IAP

CHARLOTTE

L-25E, 35A, 36E

CHARLOTTE

L-25D, 36F

ILS or LOC RWY 4

ROCKY MOUNT-WILSON RGNL (RWI)

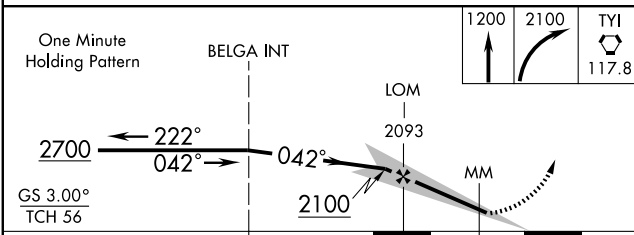
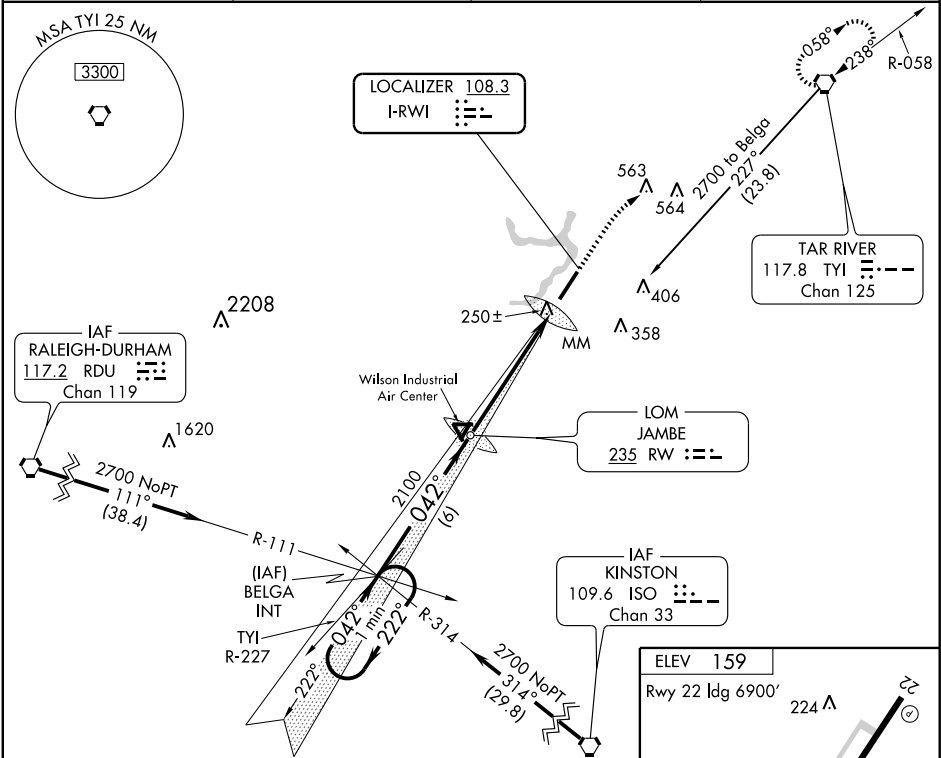
LOC I-RWI 108.3	APP CRS 042°	Rwy Idg TDZE Apt Elev	7100 159 159
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NA For inoperative MALS, increase S-LOC 4 Cat D visibility to 1 mile. If local altimeter setting not received, use Goldsboro-Wayne Muni altimeter setting and increase DH to 418 feet; increase all MDAs 60 feet.

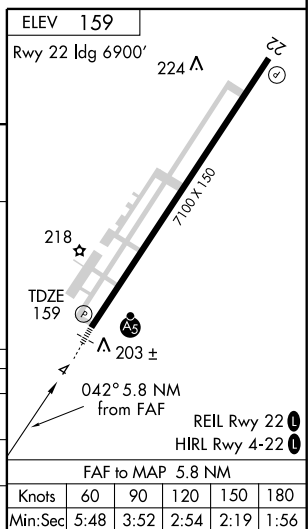


MISSED APPROACH: Climb to 1200 then climbing right turn to 2100 direct TYI VORTAC and hold.

ASOS 118.875	WASHINGTON CENTER 118.475 279.65	CLNC DEL 122.3	UNICOM 123.05 (CTAF)
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CATEGORY	A	B	C	D
S-ILS 4	359-1/2	200 (200-1/2)		
S-LOC 4	500-1/2	341 (400-1/2)	500-3/4	341 (400-3/4)
CIRCLING	600-1 441 (500-1)	620-1 461 (500-1)	620-1 1/2 461 (500-1 1/2)	720-2 561 (600-2)



FAF to MAP 5.8 NM					
Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

WAAS CH 56513 W04A	APP CRS 042°	Rwy Idg TDZE Apt Elev	7100 159 159
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RNAV (GPS) RWY 4

ROCKY MOUNT-WILSON RGNL (RWI)

T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Goldsboro-Wayne Muni altimeter setting and increase all DA 59 feet, all MDA 60 feet, increase LNAV/VNAV all Cats. visibility ¼ mile. For inoperative MALSR, increase LNAV Cat. D visibility to ½ mile. Baro-VNAV and VDP NA when using Goldsboro-Wayne Muni altimeter setting.

MALSR



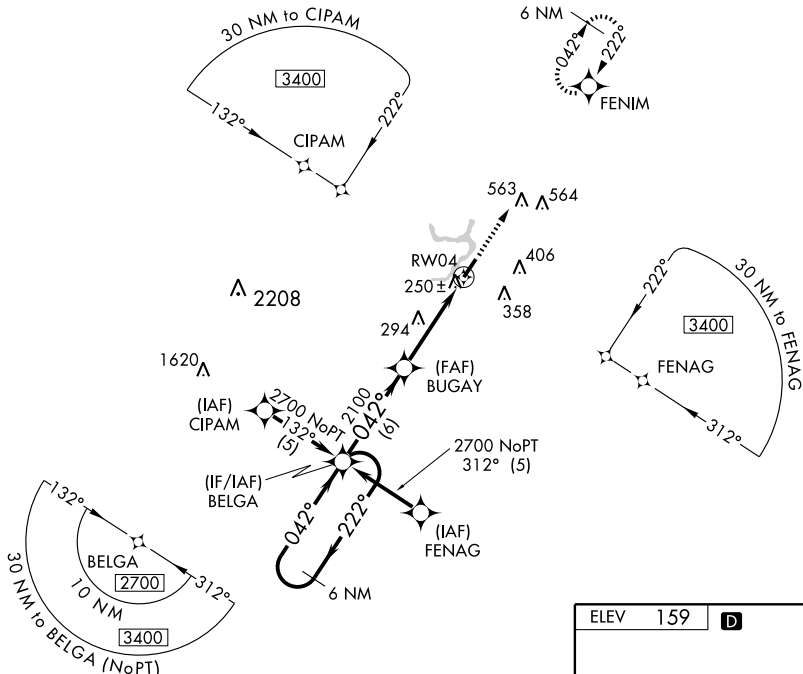
MISSED APPROACH:
Climb to 2500 direct FENIM and hold.

ASOS
118.875

WASHINGTON CENTER
118.475 279.65

CLNC DEL
122.3

UNICOM
123.05 (CTAF)



6 NM
Holding Pattern

BELGA

VGSI and RNAV glidepath
not coincident.

2500

FENIM

2700 ← 222°
042° →
GS 3.00°
TCH 56

BUGAY

*1.1 NM
to RW04

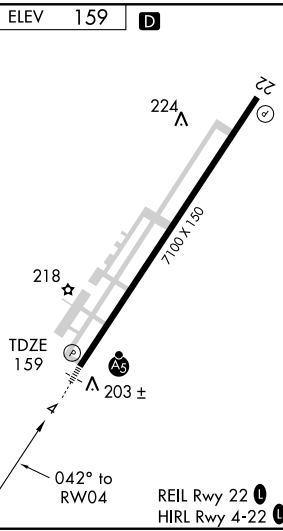
*LNAV Only

2100

RW04

6 NM 4.7 NM 1.1

CATEGORY	A	B	C	D
LPV DA	359-½ 200 (200-½)			
LNAV/VNAV DA	521-¾ 362 (400-¾)			
LNAV MDA	560-½ 401 (500-½)	560-¾ 401 (500-¾)	560-1 401 (500-1)	
CIRCLING	600-1 441 (500-1)	620-1 461 (500-1)	620-1½ 461 (500-1½)	720-2 561 (600-2)



APP CRS **222°**
Rwy Idg **6900**
TDZE **154**
Apt Elev **159**

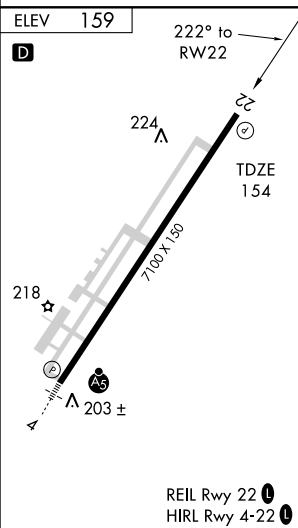
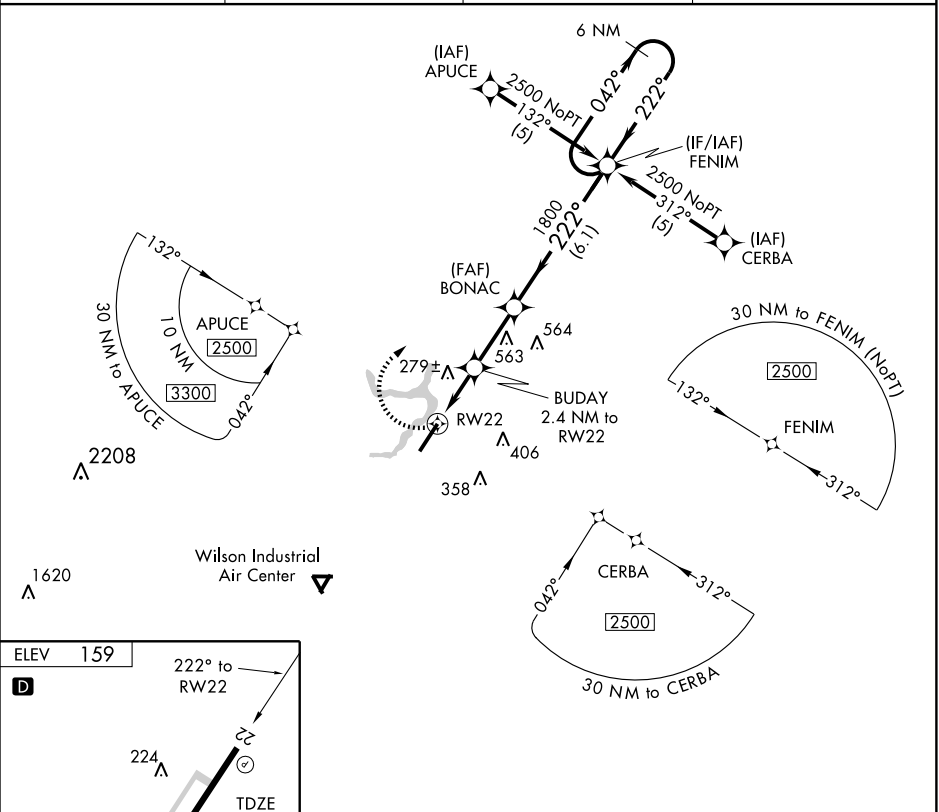
RNAV (GPS) RWY 22

ROCKY MOUNT-WILSON RGNL (RWI)

▼ DME/DME RNP-0.3 NA. When local altimeter setting not received, use Goldsboro-Wayne Muni altimeter setting and increase all MDA 60 feet, and LNAV Cat. D visibility ¼ mile. VDP NA when using Goldsboro-Wayne Muni altimeter setting.

MISSED APPROACH: Climbing right turn to 2500 direct FENIM and hold.

ASOS 118.875	WASHINGTON CENTER 118.475 279.65	CLNC DEL 122.3	UNICOM 123.05 (CTAF) 0
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2500 FENIM		6 NM Holding Pattern	
BUDAY 2.4 NM to RW22		BONAC	
RW22		FENIM	
1.2 NM to RW22		222°	
940		042°	
1800		222°	
1.2		6.1 NM	
CATEGORY		A	
LNAV MDA		560-1 406 (500-1)	
CIRCLING		600-1 441 (500-1)	
		620-1 461 (500-1)	
		620-1½ 461 (500-1½)	
		720-2 561 (600-2)	

VORTAC TYI
117.8
 Chan **125**

APP CRS
238°

Rwy Idg
 TDZE **154**
 Apt Elev **159**

VOR/DME RWY 22

ROCKY MOUNT-WILSON RGNL (R.WI)

▼ Visibility reduction by helicopters NA. When local altimeter setting not received, use Goldsboro-Wayne Muni altimeter setting and increase all MDA 60 feet, and S-22 Cat. C and Cat. D visibility ¼ mile.

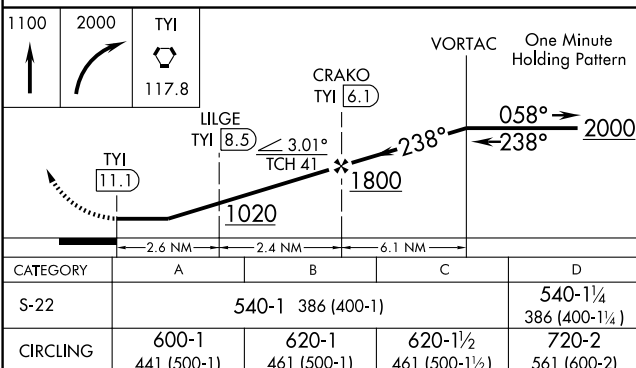
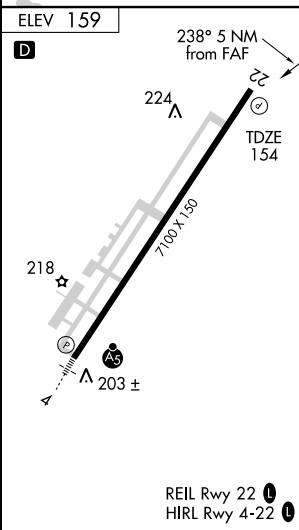
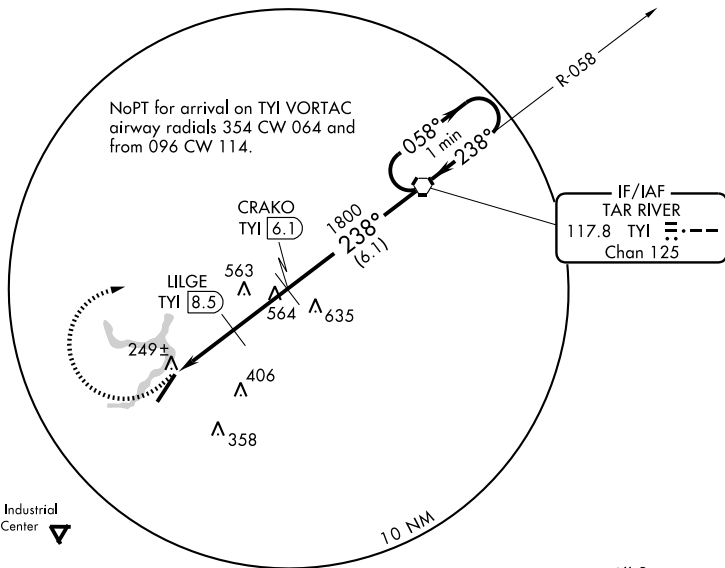
MISSED APPROACH: Climb to 1100 then climbing right turn to 2000 direct TYI VORTAC and hold.

ASOS
118.875

WASHINGTON CENTER
118.475 279.65

CLNC DEL
122.3

UNICOM
123.05 (CTAF) 0



ROXBORO

PERSON CO (TDF) 6 S UTC-5(-4DT) N36°17.08' W78°59.08'

609 B S2 FUEL 100LL, JET A1+ NOTAM FILE TDF

RWY 06-24: H6005X100 (ASPH) S-30 MIRL

RWY 06: REIL. PAPI (P2L)—GA 3.25° TCH 43'. Thld dsplcd 304'. Trees.

RWY 24: REIL. PAPI (P2L)—GA 3.0° TCH 40'. Trees.

AIRPORT REMARKS: Attended 1300-2300Z†. For svc after hrs call 336-504-3441 or 919-423-3554. Deer and birds on and invof arpt. ACTIVATE MIRL Rwy 06-24, REIL Rwy 06 and Rwy 24, and PAPI Rwy 06 and Rwy 24—CTAF.

WEATHER DATA SOURCES: AWOS-3 126.725 (336) 364-1651.

COMMUNICATIONS: CTAF/UNICOM 122.7

Ⓡ RALEIGH APP/DEP CON 132.35

GCO 119.7 (RALEIGH CLNC)

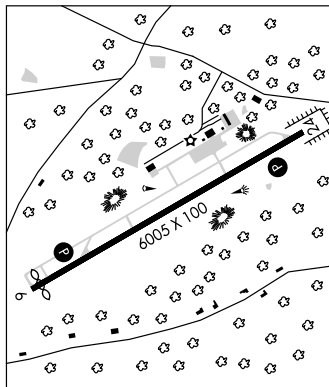
RADIO AIDS TO NAVIGATION: NOTAM FILE DCA.

SOUTH BOSTON (L) VORTAC 110.4 SBV Chan 41 N36°40.50' W79°00.87' 181° 23.4 NM to fld. 530/05W.

NDB (MHW/LOM) 220 HUR N36°14.00' W79°03.95' 060° 5.0 NM to fld. NOTAM FILE TDF.

ILS/DME 108.7 I-TDF Chan 24 Rwy 06. Class IB. LOM PERSON NDB. LOM unmonitored. ILS/DME unmonitored.

COMM/NAV/WEATHER REMARKS: AWOS-3 visibility information unreliable.



WASHINGTON

H-9C, 12H, L-26J, 36G

IAP

RUTHERFORD CO-MARCHMAN FLD (See RUTHERFORDTON)

RUTHERFORDTON

RUTHERFORD CO-MARCHMAN FLD (FQD) 3 N UTC-5(-4DT) N35°25.69' W81°56.11'

1077 B S4 FUEL 100LL, JET A1+ OX 1, 3 NOTAM FILE FQD

RWY 01-19: H5000X100 (ASPH) S-12.5 MIRL 0.4% up N

RWY 01: REIL. PAPI(P2L)—GA 3.0° TCH 29'. Trees.

RWY 19: PAPI (P2L)—GA 3.5° TCH 20'. Trees.

AIRPORT REMARKS: Attended Mon-Fri 1300-2300Z†, Sat 1400-2200Z†, and Sun 1800-2200Z†. For svc after hrs call 828-287-0800. Deer invof arpt. 100' dropoff 230' from thld Rwy 01. ACTIVATE MIRL Rwy 01-19 and REIL Rwy 01—CTAF after 0300Z†. PAPI Rwy 01 and Rwy 19 on 24 hrs.

WEATHER DATA SOURCES: AWOS-3 118.275 (828) 287-6498.

COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ GREER APP/DEP CON 119.4 (1100-0445Z†)

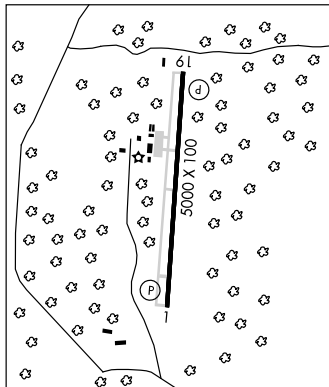
ATLANTA CENTER APP/DEP CON 119.575 (0445-1100Z†)

RADIO AIDS TO NAVIGATION: NOTAM FILE AND.

SPARTANBURG (H) VORTAC 115.7 SPA Chan 104 N35°02.02' W81°55.62' 001° 23.6 NM to fld. 910/02W.

NDB (MHW) 344 RFE N35°20.94' W81°57.17' 015° 4.8 NM to fld. NOTAM FILE FQD.

ILS/DME 109.55 I-FQD Chan 32(Y) Rwy 01.

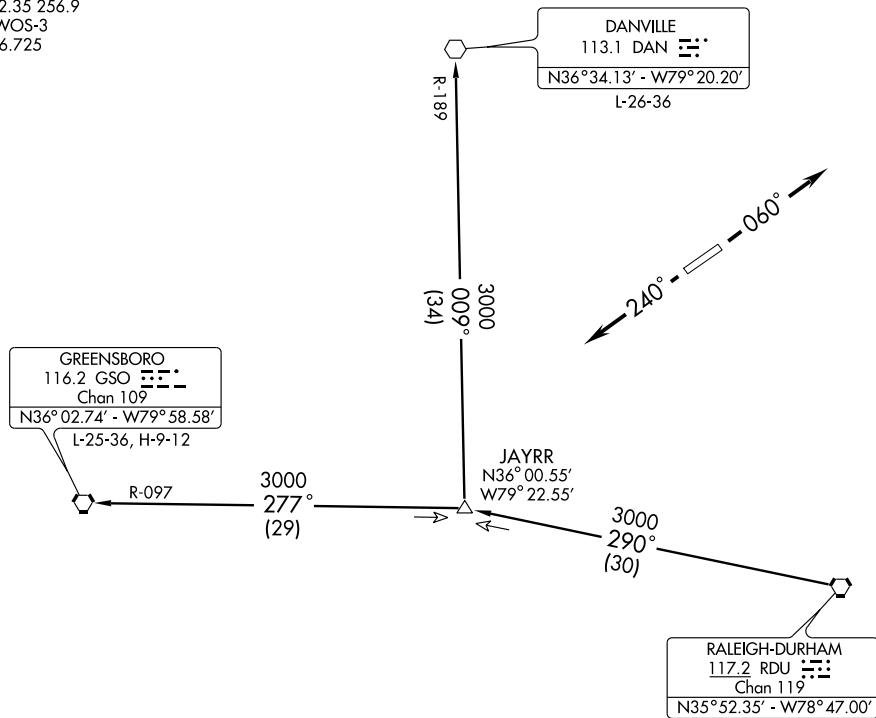


CHARLOTTE

H-9B, 12G, L-25C

IAP

RALEIGH DEP CON
132.35 256.9
AWOS-3
126.725



TAKEOFF MINIMUMS:
Rwys 6, 24: STANDARD

NOTE: Turbojets not authorized.

NOTE: Radar Required.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 6: Climb heading 060°, thence....

TAKE-OFF RWY 24: Climb heading 240°, thence....

....or as assigned for vectors to assigned transition. Expect clearance to filed altitude/flight level ten minutes after departure.

DANVILLE TRANSITION (BLUE4.DAN): From over RDU VORTAC via RDU R-290 to JAYRR INT then via DAN R-189 to DAN VOR.

GREENSBORO TRANSITION (BLUE4.GSO): From over RDU VORTAC via RDU R-290 to JAYRR INT then via GSO R-097 to GSO VORTAC.

TAKE-OFF OBSTACLE NOTES:

Rwy 6: Trees 1600 feet from DER, 200 feet right of centerline, 100 feet AGL/729 feet MSL.

Rwy 24: Trees 562 feet from DER, 577 feet left of centerline, 100 feet AGL/699 feet MSL.

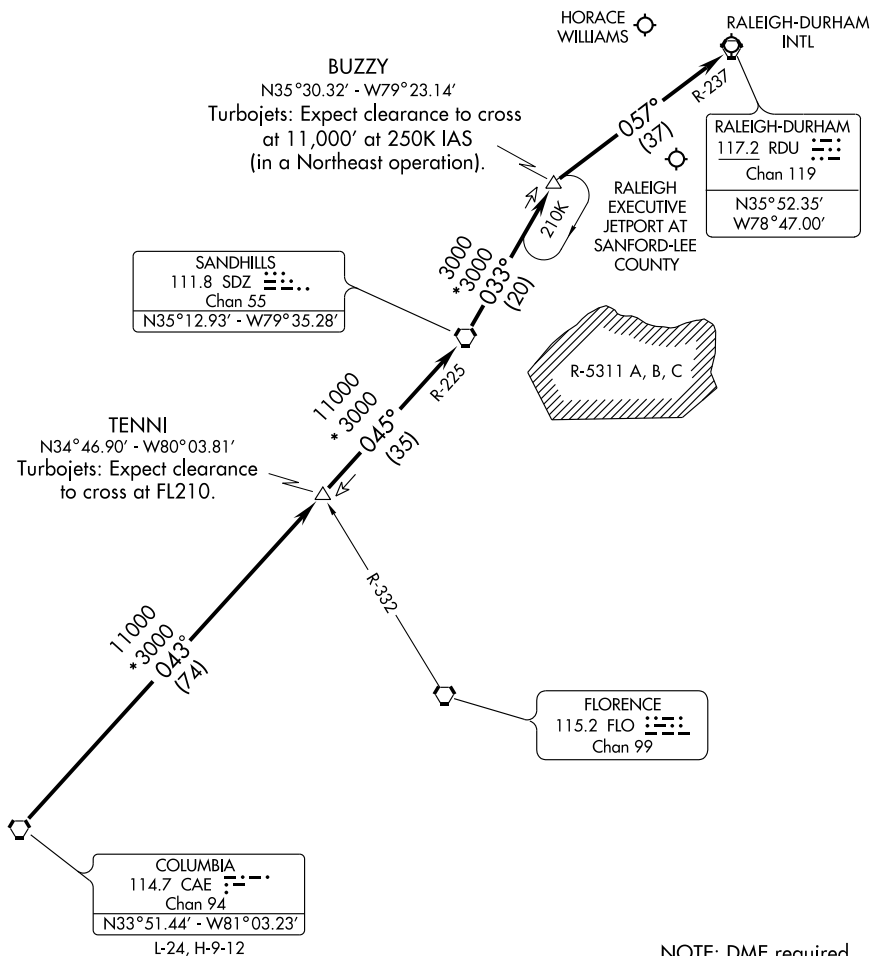
BUZZY SIX ARRIVAL

RALEIGH/DURHAM, NORTH CAROLINA

RALEIGH APP CON
128.3 307.9
RALEIGH-DURHAM ATIS
123.8

PERSON COUNTY

HENDERSON-
OXFORD



From over Columbia (CAE) via CAE R-043 and Sandhills (SDZ) R-225 to SDZ.
Thence via SDZ R-033 to BUZZY INT. Thence via Raleigh-Durham (RDU)
R-237 to RDU. Expect radar vectors to final approach course after BUZZY INT.

ILS or LOC RWY 6

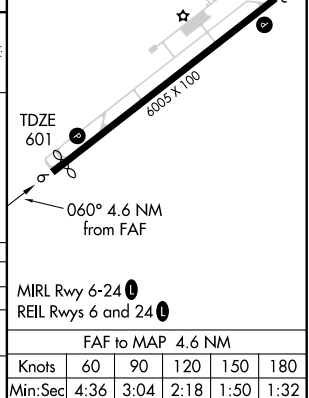
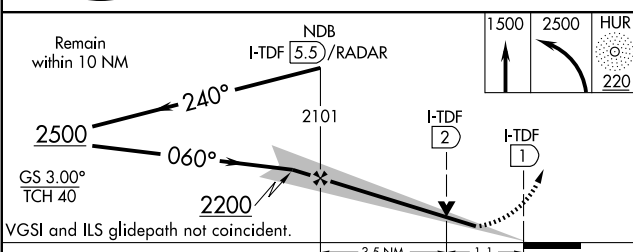
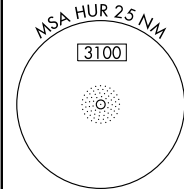
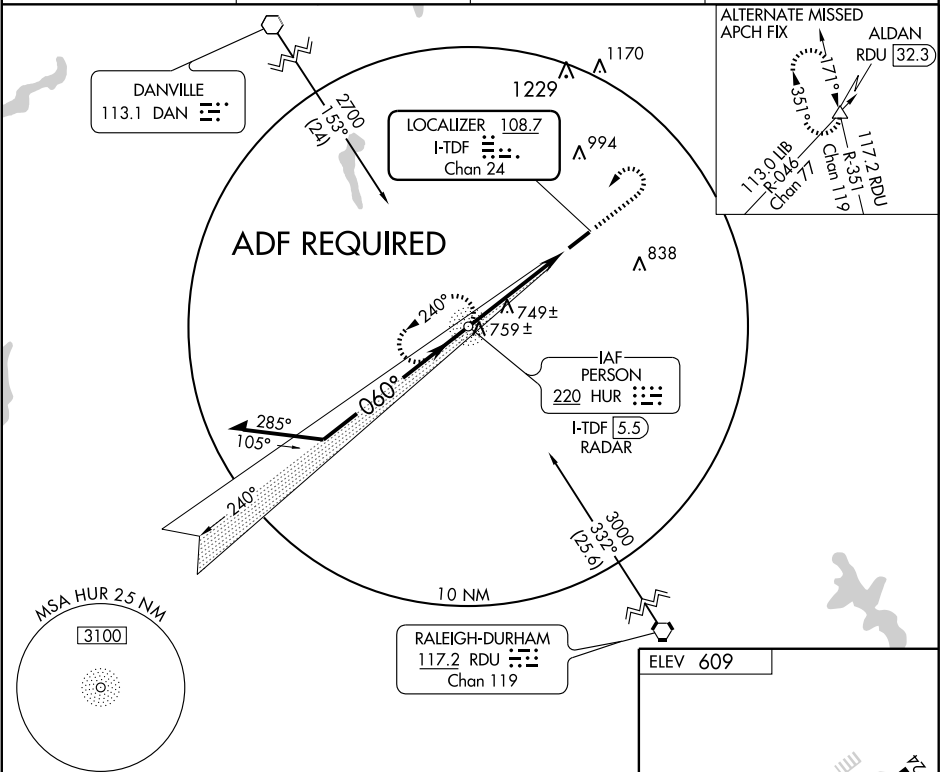
ROXBORO / PERSON COUNTY (TDF)

LOC/DME I-TDF 108.7 Chan 24	APP CRS 060°	Rwy Idg TDZE Apt Elev	5701 601 609
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NA For inoperative MALS, when using Chapel Hill altimeter setting, increase S-ILS 6 all Cats visibility to 1 mile. ADF REQUIRED. When local altimeter setting not received, use Chapel Hill altimeter setting and increase S-ILS 6 DA to 864 and all MDA 80 feet and S-LOC 6 Cat C/D visibility ¼ mile.

MISSED APPROACH:
Climb to 1500 then climbing left turn to 2500 direct HUR NDB and hold.

AWOS-3 126.725	RALEIGH APP CON 132.35 256.9	GCO 119.7	UNICOM 122.7 (CTAF)
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CATEGORY	A	B	C	D
S-ILS 6		801-½	200 (200-½)	
S-LOC 6		1000-½	399 (400-½)	1000-¾ 399 (400-¾)
CIRCLING	1080-1	471 (500-1)	1080-1½ 471 (500-1½)	1160-2 551 (600-2)

FAF to MAP 4.6 NM					
Knots	60	90	120	150	180
Min:Sec	4:36	3:04	2:18	1:50	1:32

WAAS CH 86512 W06A	APP CRS 060°	Rwy Idg TDZE Apt Elev	5701 601 609
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RNAV (GPS) RWY 6

ROXBORO / PERSON COUNTY (TDF)



For inoperative MALS, increase LNAV Cat. D visibility to 1¼. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Chapel Hill altimeter setting and increase LPV DA to 864, LNAV/VNAV DA to 1150 and all MDA 80 feet, increase LNAV/VNAV all Cats. and LNAV Cat. C visibility ¼ mile. For inoperative MALS, when using Chapel Hill altimeter setting, increase LPV all Cats. visibility to 1 mile. Baro-VNAV and VDP NA when using Chapel Hill altimeter setting.

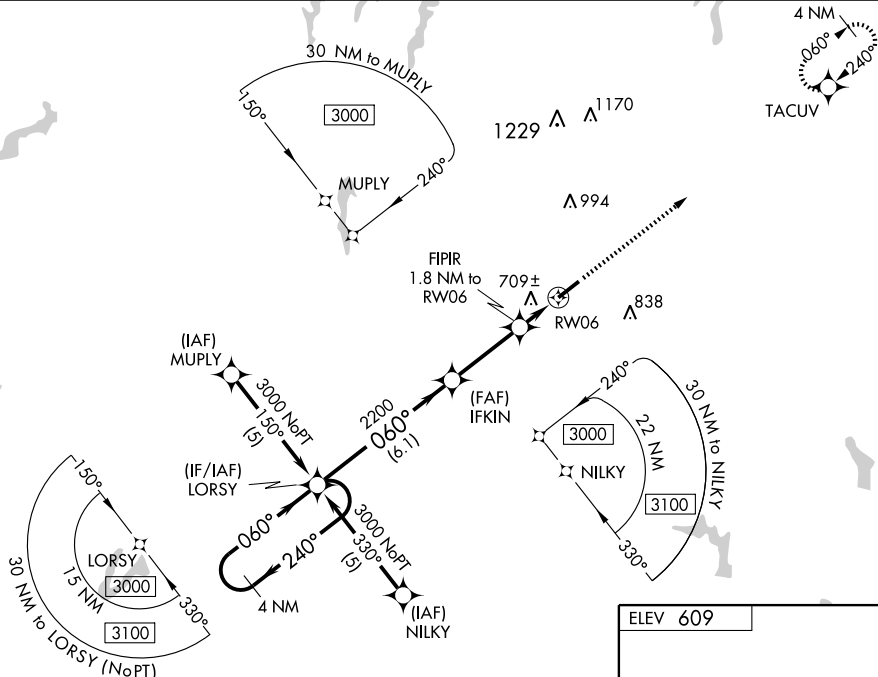
MISSED APPROACH:
Climb to 3000 direct
TACUV and hold.

AWOS-3
126.725

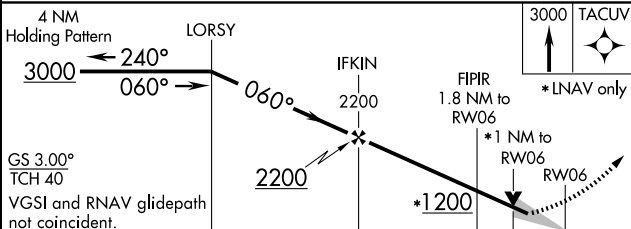
RALEIGH APP CON
132.35 256.9

GCO
119.7

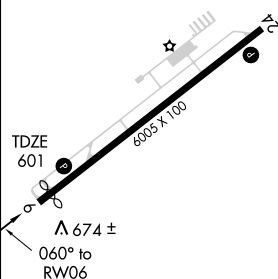
UNICOM
122.7 (CTAF)



ELEV 609



CATEGORY	A	B	C	D
LPV DA	801-1½	200 (200-½)		
LNAV/VNAV DA	1087-1¼	486 (500-1¼)		
LNAV MDA	960-½ 359 (400-½)			960-1 359 (400-1)
CIRCLING	1080-1 471 (500-1)	1080-1½ 471 (500-1½)	1160-2 551 (600-2)	



MIRL Rwy 6-24
REIL Rwy 6 and 24

SOUTH BOSTON FOUR ARRIVAL

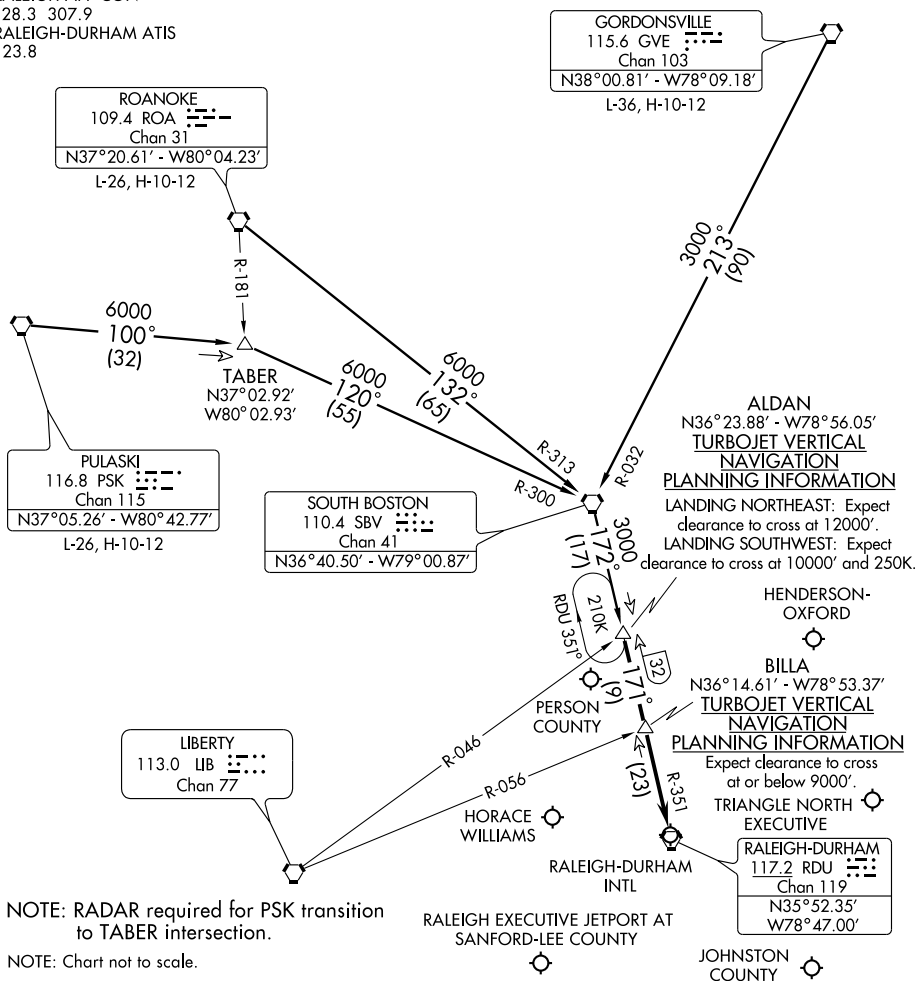
RALEIGH-DURHAM, NORTH CAROLINA

RALEIGH APP CON

128.3 307.9

RALEIGH-DURHAM ATIS

123.8



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

GORDONSVILLE TRANSITION (GVE.SBV4): From over GVE VORTAC via GVE R-213 and SBV R-032 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

PULASKI TRANSITION (PSK.SBV4): From over PSK VORTAC via PSK R-100 and SBV R-300 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

ROANOKE TRANSITION (ROA.SBV4): From over ROA VORTAC via ROA R-132 and SBV R-313 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

From over ALDAN INT via RDU R-351 to BILLA INT, then via RDU R-351 to RDU VORTAC. For arrival to Raleigh-Durham Intl (RDU), Franklin County (LHZ), Horace Williams (IGX), Johnston County (JNX) and Sanford-Lee County Rgnl (TTA) airports:

Expect radar vectors to final approach course after BILLA INT.

For arrival to Henderson-Oxford (HNZ) and Person County (TDF) airports:

Expect radar vectors to final approach course after ALDAN INT.

SOUTH BOSTON FOUR ARRIVAL

(SBV.SBV4) 10266

RALEIGH-DURHAM, NORTH CAROLINA

ROXBORO

PERSON CO (TDF) 6 S UTC-5(-4DT) N36°17.08' W78°59.08'

609 B S2 FUEL 100LL, JET A1+ NOTAM FILE TDF

RWY 06-24: H6005X100 (ASPH) S-30 MIRL

RWY 06: REIL. PAPI (P2L)—GA 3.25° TCH 43'. Thld dsplcd 304'. Trees.

RWY 24: REIL. PAPI (P2L)—GA 3.0° TCH 40'. Trees.

AIRPORT REMARKS: Attended 1300-2300Z†. For svc after hrs call 336-504-3441 or 919-423-3554. Deer and birds on and invof arpt. ACTIVATE MIRL Rwy 06-24, REIL Rwy 06 and Rwy 24, and PAPI Rwy 06 and Rwy 24—CTAF.

WEATHER DATA SOURCES: AWOS-3 126.725 (336) 364-1651.

COMMUNICATIONS: CTAF/UNICOM 122.7

Ⓡ RALEIGH APP/DEP CON 132.35

GCO 119.7 (RALEIGH CLNC)

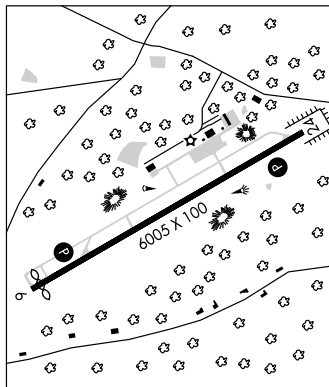
RADIO AIDS TO NAVIGATION: NOTAM FILE DCA.

SOUTH BOSTON (L) VORTAC 110.4 SBV Chan 41 N36°40.50' W79°00.87' 181° 23.4 NM to fld. 530/05W.

NDB (MHW/LOM) 220 HUR N36°14.00' W79°03.95' 060° 5.0 NM to fld. NOTAM FILE TDF.

ILS/DME 108.7 I-TDF Chan 24 Rwy 06. Class IB. LOM PERSON NDB. LOM unmonitored. ILS/DME unmonitored.

COMM/NAV/WEATHER REMARKS: AWOS-3 visibility information unreliable.



WASHINGTON

H-9C, 12H, L-26J, 36G

IAP

RUTHERFORD CO-MARCHMAN FLD (See RUTHERFORDTON)

RUTHERFORDTON

RUTHERFORD CO-MARCHMAN FLD (FQD) 3 N UTC-5(-4DT) N35°25.69' W81°56.11'

1077 B S4 FUEL 100LL, JET A1+ OX 1, 3 NOTAM FILE FQD

RWY 01-19: H5000X100 (ASPH) S-12.5 MIRL 0.4% up N

RWY 01: REIL. PAPI(P2L)—GA 3.0° TCH 29'. Trees.

RWY 19: PAPI (P2L)—GA 3.5° TCH 20'. Trees.

AIRPORT REMARKS: Attended Mon-Fri 1300-2300Z†, Sat 1400-2200Z†, and Sun 1800-2200Z†. For svc after hrs call 828-287-0800. Deer invof arpt. 100' dropoff 230' from thld Rwy 01. ACTIVATE MIRL Rwy 01-19 and REIL Rwy 01—CTAF after 0300Z†. PAPI Rwy 01 and Rwy 19 on 24 hrs.

WEATHER DATA SOURCES: AWOS-3 118.275 (828) 287-6498.

COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ GREER APP/DEP CON 119.4 (1100-0445Z†)

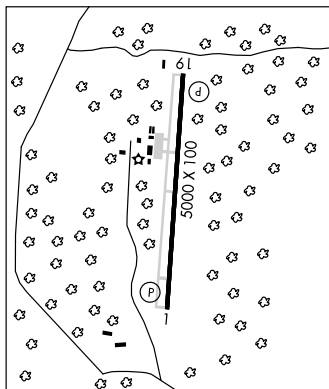
ATLANTA CENTER APP/DEP CON 119.575 (0445-1100Z†)

RADIO AIDS TO NAVIGATION: NOTAM FILE AND.

SPARTANBURG (H) VORTAC 115.7 SPA Chan 104 N35°02.02' W81°55.62' 001° 23.6 NM to fld. 910/02W.

NDB (MHW) 344 RFE N35°20.94' W81°57.17' 015° 4.8 NM to fld. NOTAM FILE FQD.

ILS/DME 109.55 I-FQD Chan 32(Y) Rwy 01.



CHARLOTTE

H-9B, 12G, L-25C

IAP

WAAS CH 40021 W01A	APP CRS 009°	Rwy Idg TDZE 1059 Apt Elev 1077
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RNAV (GPS) RWY 1

RUTHERFORDTON/RUTHERFORD CO-MARCHMAN FIELD (FQD)

▼ Baro-VNAV NA when using Shelby-Cleveland County Rgnl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Shelby-Cleveland County Rgnl altimeter setting and increase all DA 77 feet, all MDA 80 feet, and increase LPV all Cats, LNAV/VNAV all Cats, LNAV Cats B/C and Circling Cats B/C visibility ¼ mile. VDP NA with Shelby-Cleveland County Rgnl altimeter setting.

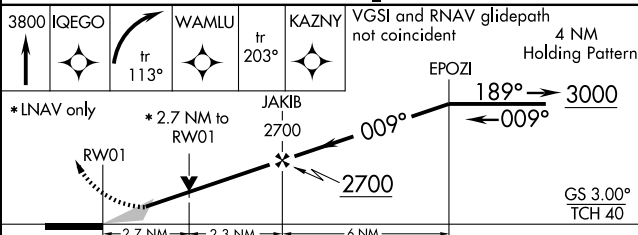
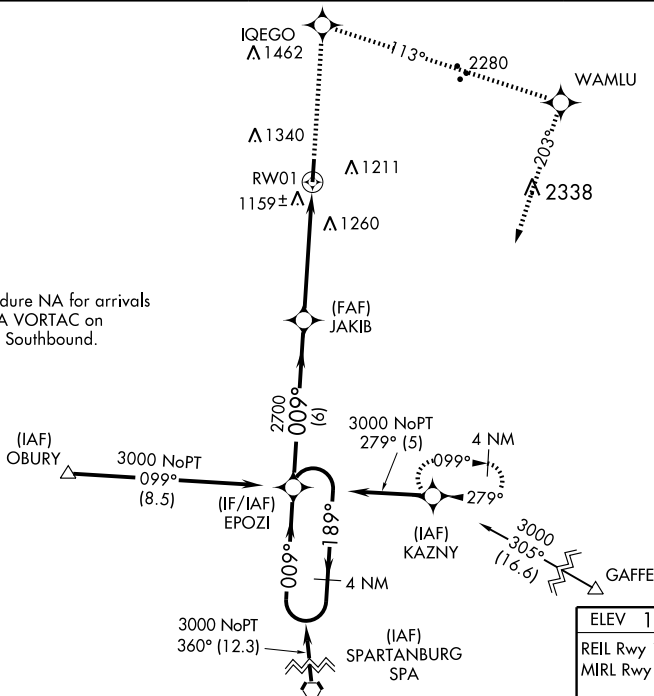
MISSED APPROACH: Climb to 3800 direct IQEGO and right turn on track 113° to WAMLU and right turn on track 203° to KAZNY and hold.

AWOS-3
118.275

GREER APP CON ★
119.4 350.2

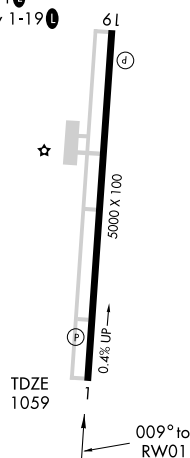
UNICOM
122.8 (CTAF) 0

Procedure NA for arrivals
at SPA VORTAC on
V605 Southbound.



CATEGORY	A	B	C	D
LPV DA	1561-1¾	502 (500-1¾)		
LNAV/VNAV DA	1814-2¾	755 (800-2¾)		
LNAV MDA	1940-1¾ 881 (900-1¾)	1940-2¾ 881 (900-2¾)	1940-3 881 (900-3)	
CIRCLING	1940-1¾ 863 (900-1¾)	1940-2¾ 863 (900-2¾)	1940-3 863 (900-3)	

ELEV **1077**
REIL Rwy 1 **0**
MIRL Rwy 1-19 **0**



APP CRS	Rwy Idg	5000
189°	TDZE	1077
	Apt Elev	1077

RNAV (GPS) RWY 19

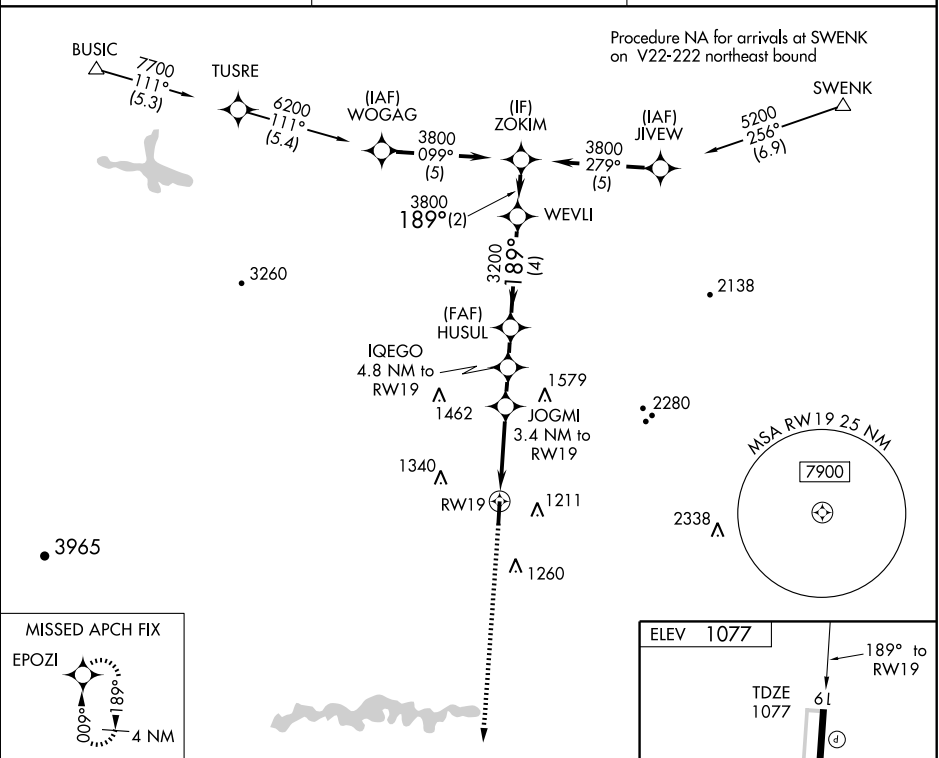
RUTHERFORDTON/RUTHERFORD CO-MARCHMAN FIELD (FQD)

- ▼** DME/DME RNP-0.3 NA. Procedure NA at night. Visibility reduction by helicopters NA.
▲ When local altimeter setting not received, use Shelby-Cleveland County Rgnl altimeter setting and increase all MDA 80 feet and increase LNAV Cat C and D and Circling Cat C visibility ¼ mile.

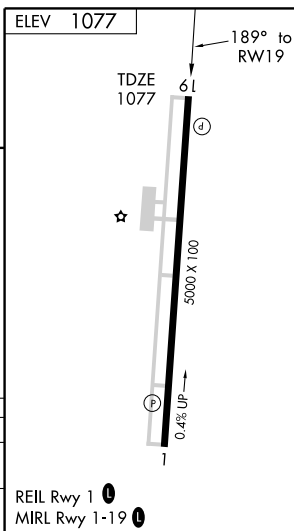
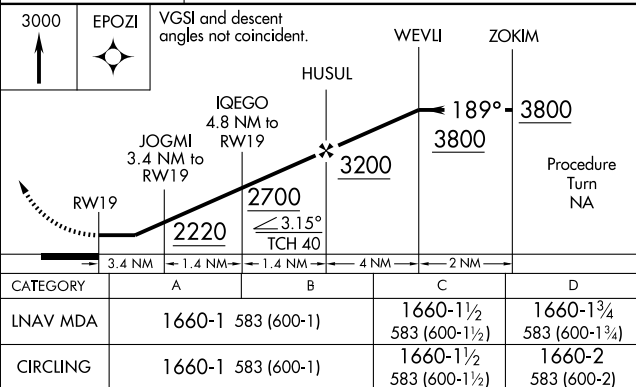
MISSED APPROACH:
Climb to 3000 direct
EPOZI and hold.

AWOS-3
118.275

GREER APP CON ★
119.4 350.2

UNICOM
122.8 (CTAF) **L**

SE-2. 21 OCT 2010 to 18 NOV 2010



RUTHERFORDTON, NORTH CAROLINA
Orig 23SEP10

RUTHERFORDTON/ RUTHERFORD CO-MARCHMAN FIELD (FQD)
35°26'N-81°56'W PNAV (GPS) PWB 10

RNAV (GPS) RWY 19

SALISBURY

ROWAN CO

(RUQ) 3 SW UTC-5(-4DT) N35°38.75' W80°31.22'

772 B S4 FUEL 100LL, JET A1 + OX 4 NOTAM FILE RUQ

RWY 02-20: H5501X100 (ASPH) S-45, D-55 MIRL

RWY 02: REIL. PAPI(P2L)—GA 3.0° TCH 38'. Trees.

RWY 20: MALSR. REIL. PAPI(P2L)—GA 3.0° TCH 39'.

AIRPORT REMARKS: Attended 1300-0100Z±. 24 hr self-service avbl for 100LL with credit card. Tran mil fuel. Lgtd park, ramp clsd to all tfc except military acft with PPR. Operational Mon-Fri 1200-2030Z± exc holidays. MIRL Rwy 02-20 preset low ints; to increase ints and ACTIVATE REIL Rwy 02 and Rwy 20; PAPI Rwy 02 and Rwy 20 and MALSR Rwy 20—CTAF.

WEATHER DATA SOURCES: AWOS-3 118.175 (704) 637-6197.**COMMUNICATIONS:** CTAF/UNICOM 128.8

CHARLOTTE APP/DEP CON 128.32 CHARLOTTE CLNC DEL 127.35

RADIO AIDS TO NAVIGATION: NOTAM FILE CLT.

CHARLOTTE (L) VORW/DME 115.0 CLT Chan 97 N35°11.42'

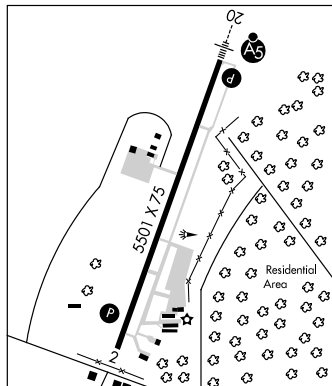
W80°57.11' 043° 34.5 NM to fld. 733/05W. HIWAS.

ROVDY NDB (MHW/LDM) 275 RU N35°43.99' W80°29.37' 202°

5.4 NM to fld. NOTAM FILE RUQ.

ILS 109.95 I-RUQ Rwy 20. Class IB. LOM ROVDY NDB.

GS unusable byd 4° right of course and byd 7° left of course.



CHARLOTTE

H-9B, 12H, L-25D, 36E

IAP

SANDHILLS

N35°12.93' W79°35.28' NOTAM FILE RDU.

(L) VORTAC 111.8 SDZ Chan 55 207° 21.2 NM to Richmond Co. 590/03W.

CHARLOTTE

H-9C, 12H, L-25E, 35A, 36F

VOR portion unusable:

026°-074° byd 10 NM blo 5,000';

075°-143°

144°-154° blo 60'.

144°-154° byd 23 NM

155°-179° blo 5,000'.

RCO 122.1R 111.8T (RALEIGH RADIO)

180°-264° blo 8000'

301°-019° byd 10 NM blo 10,000'

SANFORD

RALEIGH EXEC JETPORT AT SANFORD-LEE CO

(TTA) 7 NE UTC-5(-4DT)

N35°35.03' W79°06.05'

246 B S4 FUEL 100LL, JET A1+ OX 3 NOTAM FILE TTA

RWY 03-21: H6500X100 (ASPH) S-30, D-80 HIRL 0.3% up SW

RWY 03: MALSR. PAPI(P4L)—GA 3.0° TCH 45'. Trees.

RWY 21: REIL. PAPI(P4L)—GA 3.0° TCH 45'. Trees.

AIRPORT REMARKS: Attended 1200-0000Z±. For svc after hrs call 919-770-5945. ACTIVATE HIRL Rwy 03-21, MALSR Rwy 03 and REIL Rwy 21—CTAF. PAPI Rwy 03 and Rwy 21 on continuously.

WEATHER DATA SOURCES: AWOS-3 120.625 (919) 708-5382.**COMMUNICATIONS:** CTAF/UNICOM 123.075

® RALEIGH APP/DEP CON 125.3

GCO 135.075 (RALEIGH CLNC)

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

SANDHILLS (L) VORTAC 111.8 SDZ Chan 55 N35°12.93' W79°35.28' 050° 32.5 NM to fld. 590/03W.

LEECO NDB (MHW/LDM) 406 TT N35°29.84' W79°08.40' 028° 5.5 NM to fld.

ILS/DME 110.75 I-TTA Chan 44(Y) Rwy 03. LOM LEECO NDB.

CHARLOTTE

H-9C, 12H, L-36F

IAP

ILS RWY 20

SALISBURY/ROWAN COUNTY (RUQ)

LOC I-RUQ 109.95	APP CRS 202°	Rwy Ldg TDZE Apt Elev	5501 773 773
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MISSED APPROACH: Climb to 1600 then climbing right turn to 2500 direct ROVDY LOM and hold.

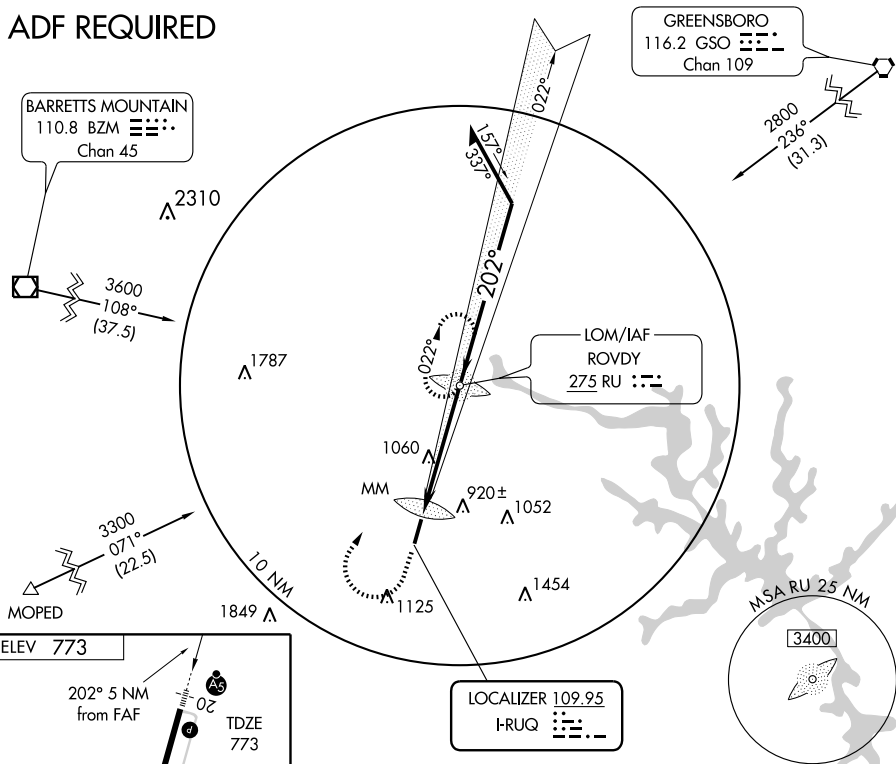
AWOS-3
118.175

CHARLOTTE APP CON
128.32 307.8

CLNC DEL
127.35

UNICOM
122.8 (CTAF)

ADF REQUIRED



ELEV 773

202° 5 NM from FAF
TDZE 773



5501 X 100

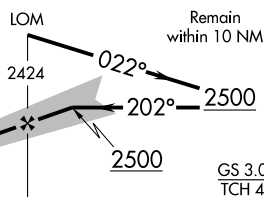
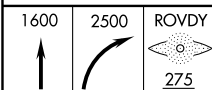


MIRL Rwy 2-20

REIL Rws 2 and 20

FAF to MAP 5 NM

Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40



CATEGORY	A	B	C	D
S-ILS 20	973-½		200 (200-½)	
S-LOC 20	1360-½ 587 (600-½)		1360-1 587 (600-1)	1360-1¼ 587 (600-1¼)
CIRCLING	1360-1 587 (600-1)		1360-1½ 587 (600-1½)	1420-2 647 (700-2)



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

ARRIVAL DESCRIPTION

FLORENCE TRANSITION (FLO.NASCR1): From over FLO VORTAC via FLO R-312 to CTF VOR/DME then via CTF R-348 to NASCR INT. Thence....

FRANKLIN TRANSITION (FKN.NASCR1): From over FKN VORTAC via FKN R-249 to ARGAL INT then via GSO R-088 to GSO VORTAC then via GSO R-221 to NASCR INT. Thence....

LIBERTY TRANSITION (LIB.NASCR1): From over LIB VORTAC via LIB R-248 to NASCR INT. Thence....

LYNCHBURG TRANSITION (LYH.NASCR1): From over LYH VORTAC via LYH R-235 to HENBY INT then via GSO R-360 to GSO VORTAC then via GSO R-221 to NASCR INT. Thence....

....From over NASCR INT expect vectors to final approach course.

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

LOM RU 275	APP CRS 202°	Rwy Idg TDZE Apt Elev	5501 773 773
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NDB RWY 20

SALISBURY/ROWAN COUNTY (RUQ)



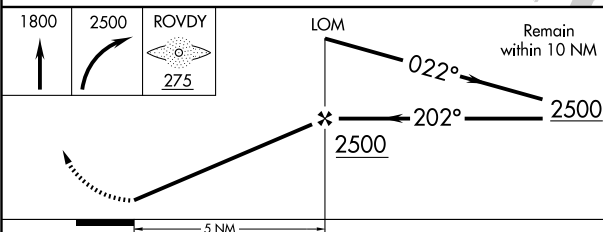
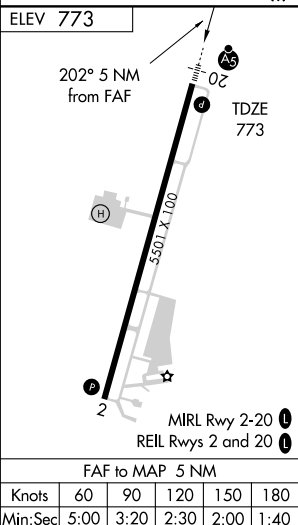
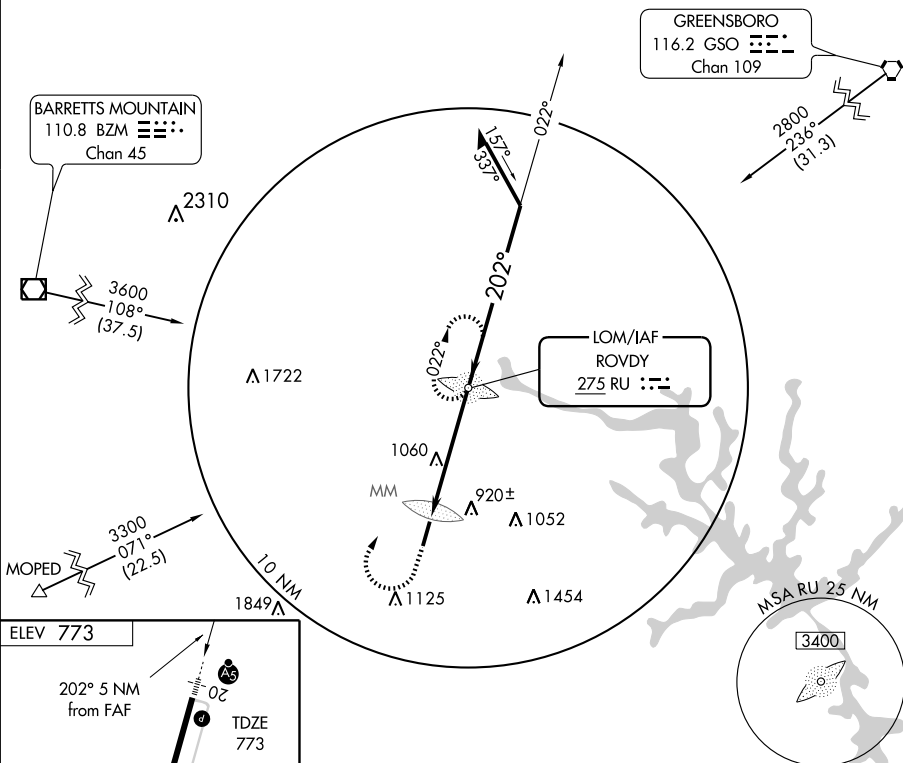
MISSED APPROACH: Climb to 1800 then climbing right turn to 2500 direct ROVDY LOM and hold.

AWOS-3
118.175

CHARLOTTE APP CON
128.32 307.8

CLNC DEL
127.35

UNICOM
122.8 (CTAF) 0

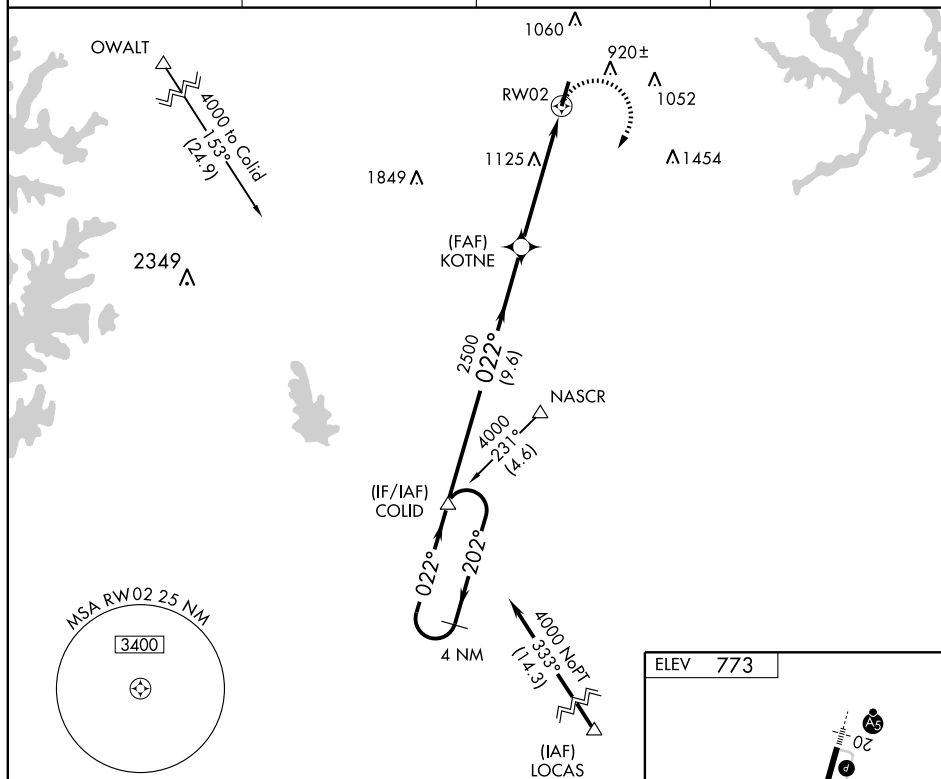


CATEGORY	A	B	C	D
S-20	1420- $\frac{3}{4}$ 647 (700- $\frac{3}{4}$)		1420-1 $\frac{1}{4}$ 647 (700-1 $\frac{1}{4}$)	1420-1 $\frac{3}{4}$ 647 (700-1 $\frac{3}{4}$)
CIRCLING	1420-1 647 (700-1)		1420-1 $\frac{3}{4}$ 647 (700-1 $\frac{3}{4}$)	1420-2 647 (700-2)

APP CRS
022°Rwy Idg **5501**
TDZE **773**
Apt Elev **773****RNAV (GPS) RWY 2**
SALISBURY/ROWAN COUNTY (RUQ)

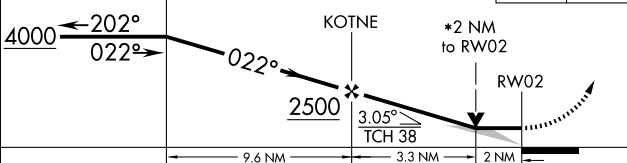
V GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
NA If local altimeter setting not received, use Davidson County altimeter setting and increase all MDAs 40 feet.

MISSED APPROACH: Climbing right turn to 4000 direct COLID WP and hold.

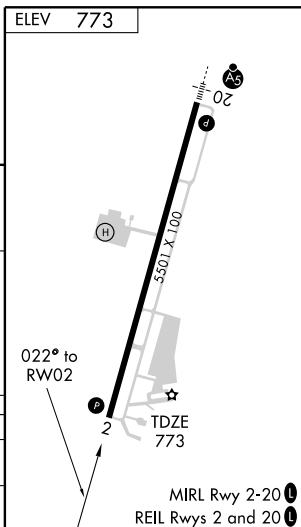
AWOS-3
118.175CHARLOTTE APP CON
128.32 307.8CLNC DEL
127.35UNICOM
122.8 (CTAF)

4 NM Holding Pattern COLID

*VDP NA when using Davidson County altimeter setting.



CATEGORY	A	B	C	D
LNNAV MDA	1440-1	667 (700-1)	1440-1¾ 667 (700-1¾)	1440-2 667 (700-2)
CIRCLING	1440-1	667 (700-1)	1440-1¾ 667 (700-1¾)	1440-2 667 (700-2)



APP CRS 202°	Rwy Idg 5501 TDZE 773 Apt Elev 773
------------------------	---

RNAV (GPS) RWY 20

SALISBURY/ ROWAN COUNTY (RUQ)

V Baro-VNAV NA below -16° C (4° F).
Δ NA GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
 For inoperative MALSR, increase LNAV/VNAV
 Cat D visibility to 1 mile.



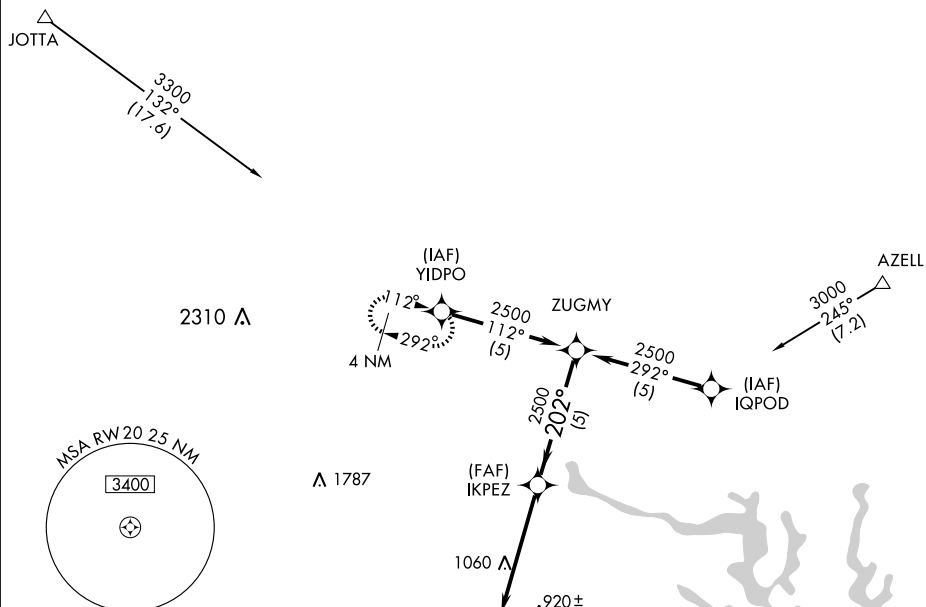
MISSED APPROACH: Climb to 3300 via
 course 202° to ULHAN WP then via
 course 001° to YIDPO WP and hold.

AWOS-3
118.175

CHARLOTTE APP CON
128.32 307.8

CLNC DEL
127.35

UNICOM
122.8 (CTAF) 0



ELEV 773

202° to
 RW20

TDZE
 773

3501 X 100

2

MIRL Rwy 2-20
 REIL Rwy 2 and 20

1849 Δ 1125 Δ 1454 Δ

3300 ULHAN YIDPO
 CRS 202° CRS 001°

*LNAV Only

*1.7 NM
 to RW20

IKPEZ

ZUGMY

RW20

2500

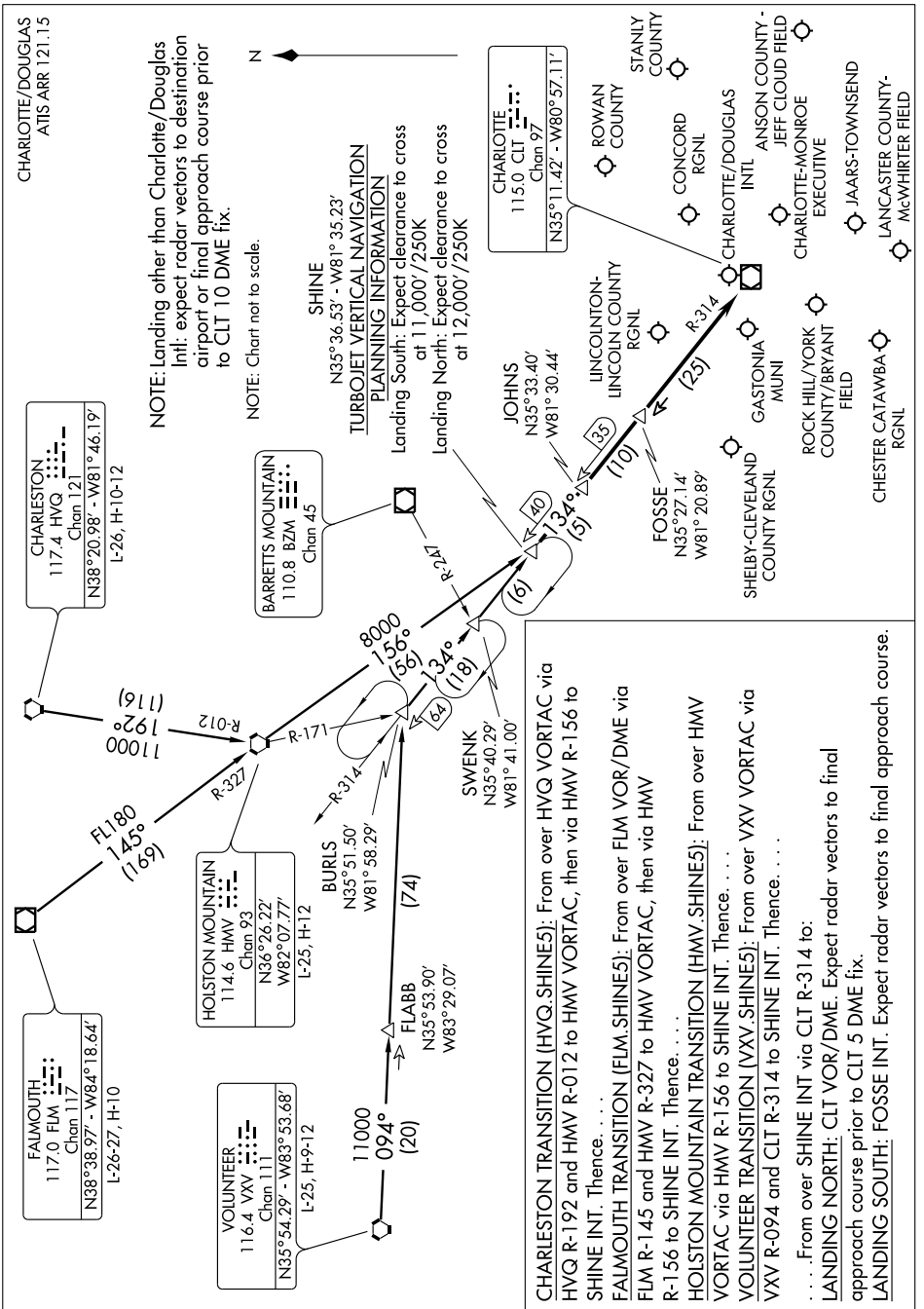
Procedure
 Turn
 NA

GS 3.00°
 TCH 46

	1.7 NM		3.5 NM		5 NM	
CATEGORY	A	B	C	D		
GLS PA DA	NA					
LNAV/VNAV DA	1060-1/2		287 (300-1/2)		1060-3/4 287 (300-3/4)	
LNAV MDA	1360-1/2 587 (600-1/2)		1360-1 587 (600-1)		1360-1 1/4 587 (600-1 1/4)	
CIRCLING	1360-1 587 (600-1)		1360-1 1/2 587 (600-1 1/2)		1420-2 647 (700-2)	

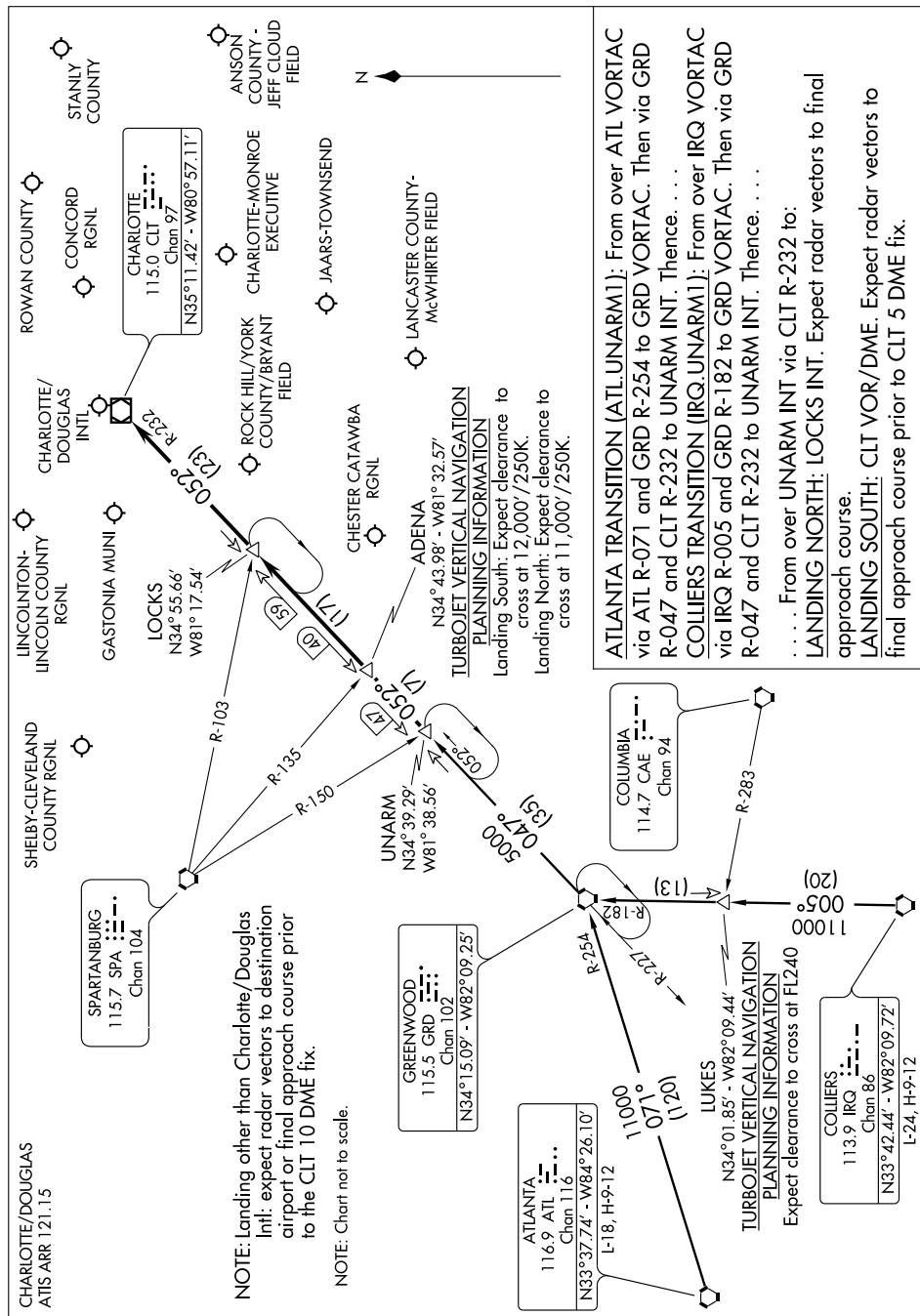
SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA



SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA



SALISBURY

ROWAN CO

(RUQ) 3 SW UTC-5(-4DT) N35°38.75' W80°31.22'

772 B S4 FUEL 100LL, JET A1 + OX 4 NOTAM FILE RUQ

RWY 02-20: H5501X100 (ASPH) S-45, D-55 MIRL

RWY 02: REIL. PAPI(P2L)—GA 3.0° TCH 38'. Trees.

RWY 20: MALSR. REIL. PAPI(P2L)—GA 3.0° TCH 39'.

AIRPORT REMARKS: Attended 1300-0100Z±. 24 hr self-service avbl for 100LL with credit card. Tran mil fuel. Lgtd park, ramp clsd to all tfc except military acft with PPR. Operational Mon-Fri 1200-2030Z± exc holidays. MIRL Rwy 02-20 preset low ints; to increase ints and ACTIVATE REIL Rwy 02 and Rwy 20; PAPI Rwy 02 and Rwy 20 and MALSR Rwy 20—CTAF.

WEATHER DATA SOURCES: AWOS-3 118.175 (704) 637-6197.**COMMUNICATIONS:** CTAF/UNICOM 128.8

CHARLOTTE APP/DEP CON 128.32 CHARLOTTE CLNC DEL 127.35

RADIO AIDS TO NAVIGATION: NOTAM FILE CLT.

CHARLOTTE (L) VORW/DME 115.0 CLT Chan 97 N35°11.42'

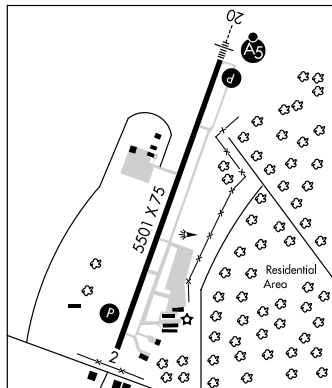
W80°57.11' 043° 34.5 NM to fld. 733/05W. HIWAS.

ROVDY NDB (MHW/LDM) 275 RU N35°43.99' W80°29.37' 202°

5.4 NM to fld. NOTAM FILE RUQ.

ILS 109.95 I-RUQ Rwy 20. Class IB. LOM ROVDY NDB.

GS unusable byd 4° right of course and byd 7° left of course.



CHARLOTTE

H-9B, 12H, L-25D, 36E

IAP

SANDHILLS

N35°12.93' W79°35.28' NOTAM FILE RDU.

(L) VORTAC 111.8 SDZ Chan 55 207° 21.2 NM to Richmond Co. 590/03W.

CHARLOTTE

H-9C, 12H, L-25E, 35A, 36F

VOR portion unusable:

026°-074° byd 10 NM blo 5,000';

075°-143°

144°-154° blo 60'.

144°-154° byd 23 NM

155°-179° blo 5,000'.

RCO 122.1R 111.8T (RALEIGH RADIO)

180°-264° blo 8000'

301°-019° byd 10 NM blo 10,000'

SANFORD

RALEIGH EXEC JETPORT AT SANFORD-LEE CO

(TTA) 7 NE UTC-5(-4DT)

N35°35.03' W79°06.05'

246 B S4 FUEL 100LL, JET A1+ OX 3 NOTAM FILE TTA

RWY 03-21: H6500X100 (ASPH) S-30, D-80 HIRL 0.3% up SW

RWY 03: MALSR. PAPI(P4L)—GA 3.0° TCH 45'. Trees.

RWY 21: REIL. PAPI(P4L)—GA 3.0° TCH 45'. Trees.

AIRPORT REMARKS: Attended 1200-0000Z±. For svc after hrs call 919-770-5945. ACTIVATE HIRL Rwy 03-21, MALSR Rwy 03 and REIL Rwy 21—CTAF. PAPI Rwy 03 and Rwy 21 on continuously.

WEATHER DATA SOURCES: AWOS-3 120.625 (919) 708-5382.**COMMUNICATIONS:** CTAF/UNICOM 123.075

® RALEIGH APP/DEP CON 125.3

GCO 135.075 (RALEIGH CLNC)

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

SANDHILLS (L) VORTAC 111.8 SDZ Chan 55 N35°12.93' W79°35.28' 050° 32.5 NM to fld. 590/03W.

LEECO NDB (MHW/LDM) 406 TT N35°29.84' W79°08.40' 028° 5.5 NM to fld.

ILS/DME 110.75 I-TTA Chan 44(Y) Rwy 03. LOM LEECO NDB.

CHARLOTTE

H-9C, 12H, L-36F

IAP

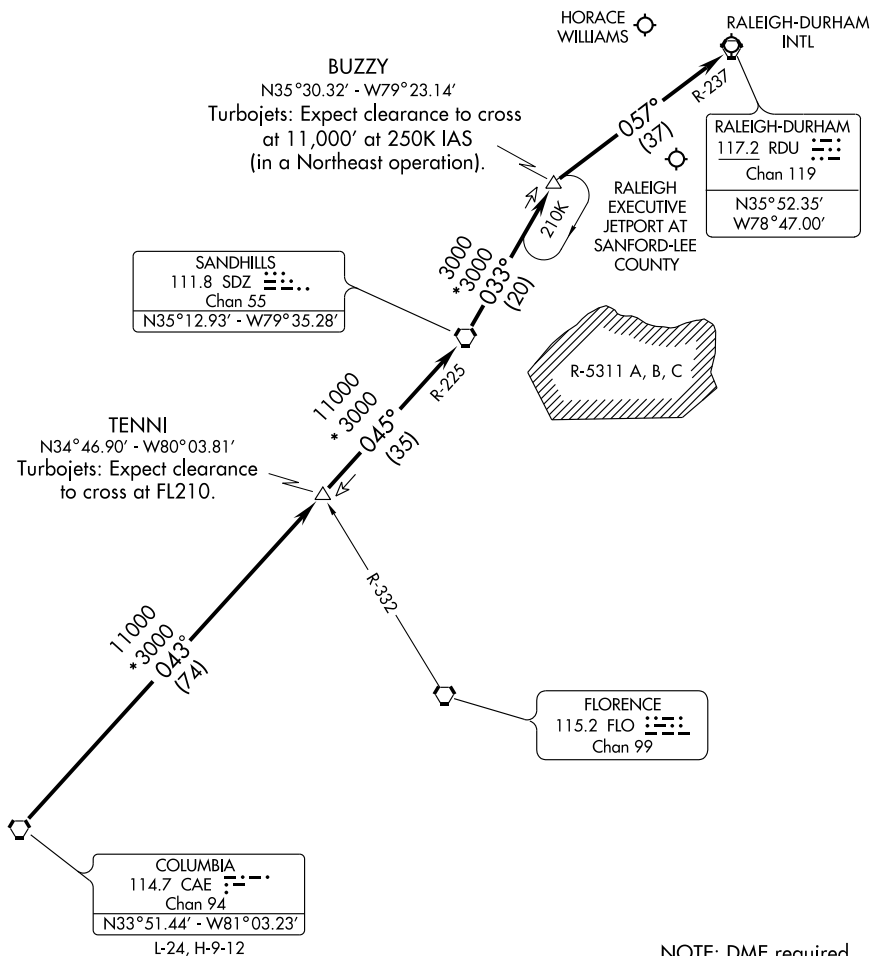
BUZZY SIX ARRIVAL

RALEIGH/DURHAM, NORTH CAROLINA

RALEIGH APP CON
128.3 307.9
RALEIGH-DURHAM ATIS
123.8

PERSON COUNTY

HENDERSON-
OXFORD



From over Columbia (CAE) via CAE R-043 and Sandhills (SDZ) R-225 to SDZ.
Thence via SDZ R-033 to BUZZY INT. Thence via Raleigh-Durham (RDU)
R-237 to RDU. Expect radar vectors to final approach course after BUZZY INT.

LOC/DME I-TTA
110.75
Chan **44** (Y)

APP CRS
029°

Rwy Idg
TDZE **246**
Apt Elev **247**

SANFORD/
RALEIGH EXEC JETPORT AT SANFORD-LEE COUNTY (TTA)

ILS RWY 3



MISSED APPROACH: Climb to 1000 then climbing left turn to 2100 direct LEECO NDB and hold.

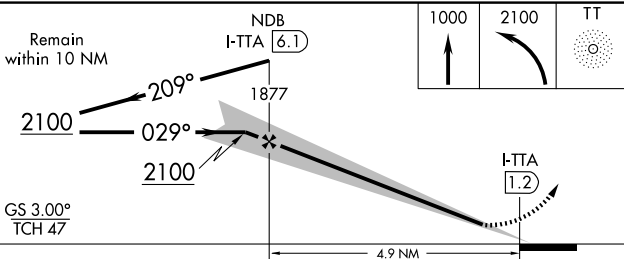
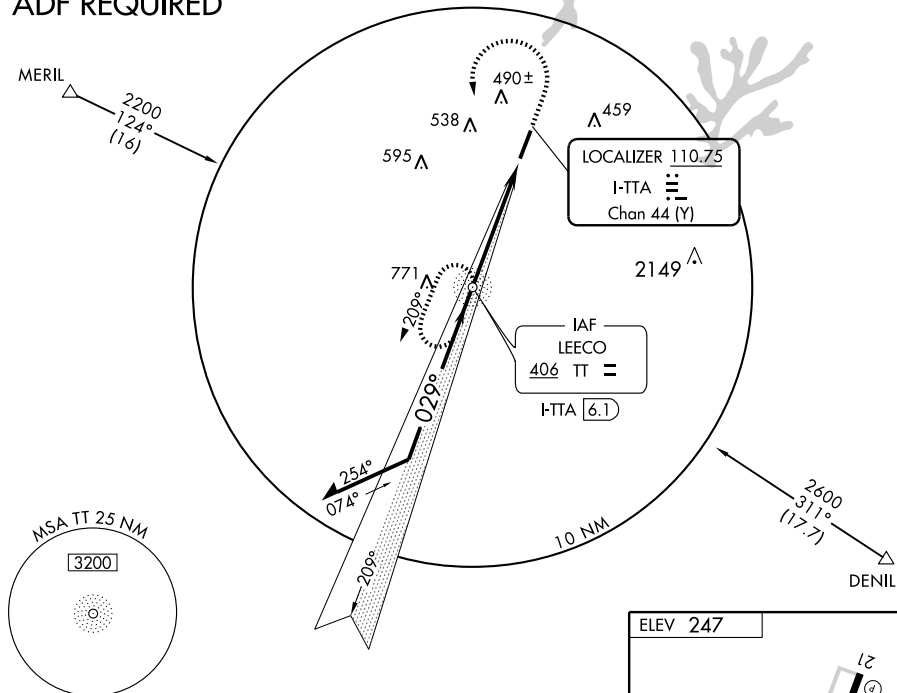
AWOS-3
120.625

RALEIGH APP CON
125.3 353.675

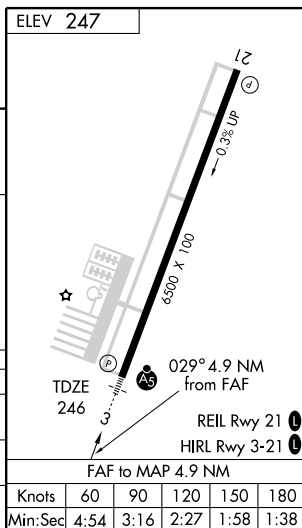
UNICOM
123.075 (CTAF) 0

GCO
135.075

ADF REQUIRED



CATEGORY	A	B	C	D
S-ILS 3	446-1/2 200 (200-1/2)			
S-LOC 3	740-1/2	494 (500-1/2)	740-3/4 494 (500-3/4)	740-1 494 (500-1)
CIRCLING	760-1 513 (600-1)	800-1 553 (600-1)	840-1 1/2 593 (600-1 1/2)	840-2 593 (600-2)



RNAV (GPS) RWY 3

SANFORD/RALEIGH EXEC JETPORT AT SANFORD-LEE COUNTY (TTA)

APP CRS	Rwy Idg	6500
029°	TDZE	246
	Apt Elev	247



Baro-VNAV NA below -15°C (5°F).
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.



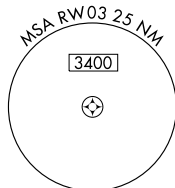
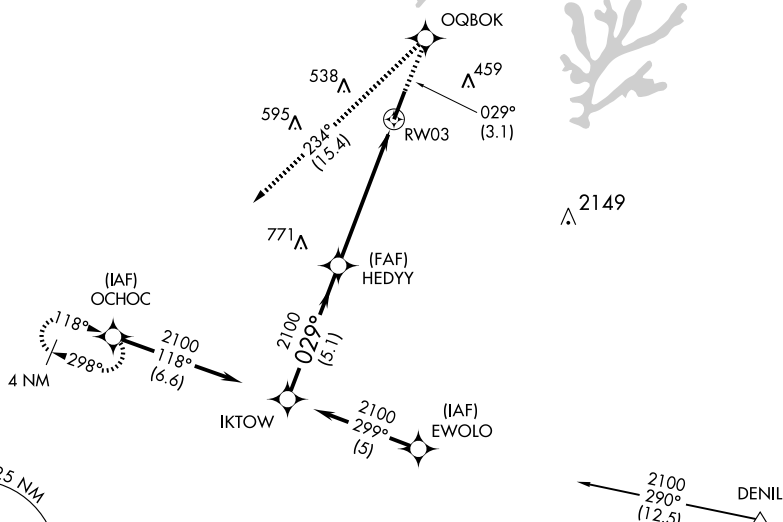
MISSED APPROACH: Climb to 2500 via 029° course to OQBOK WP then via 234° course to OCHOC WP and hold.

AWOS-3
120.625

RALEIGH APP CON
125.3 353.675

UNICOM
123.075 (CTAF)

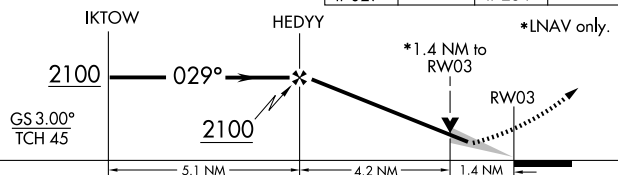
GCO
135.075



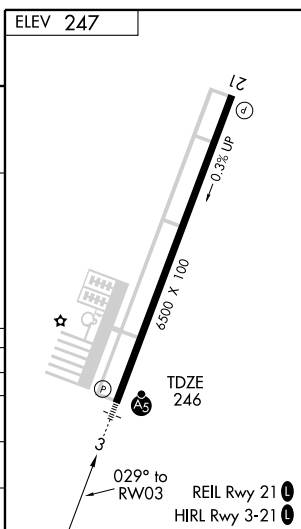
Procedure Turn NA

VGSI and descent angles not coincident.

2500	OQBOK		OCHOC
tr 029°		tr 234°	



CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAP/VNAV DA	680-1 434 (500-1)			
LNAP MDA	740-1/2 494 (500-1/2)	740-3/4 494 (500-3/4)	740-1 494 (500-1)	
CIRCLING	760-1 1/2 513 (600-1 1/2)	800-1 1/2 553 (600-1 1/2)	840-1 1/2 593 (600-1 1/2)	840-2 593 (600-2)

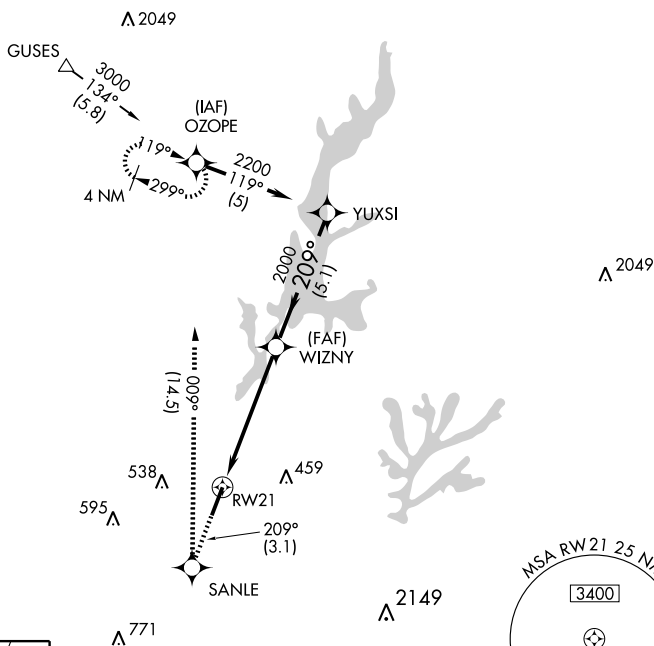
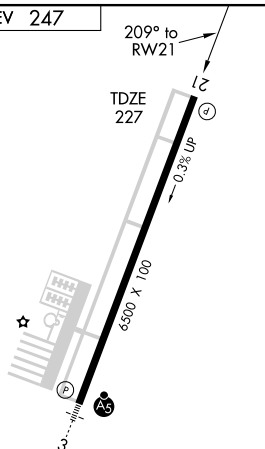


APP CRS	Rwy Idg	6500
209°	TDZE	227
	Apt Elev	247

RNAV (GPS) RWY 21

SANFORD/RALEIGH EXEC JETPORT AT SANFORD-LEE COUNTY (TTA)

Baro-VNAV NA below -15°C (5°F). GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.	MISSED APPROACH: Climb to 3000 via 209° course to SANLE WP then via 009° course to OZOPE WP and hold.
---	--

AWOS-3
120.625
RALEIGH APP CON
125.3 353.675
UNICOM
123.075 (CTAF) 0
GCO
135.075
**ELEV 247**

REIL Rwy 21 0


HIRL Rwy 3-21 0


<div>3000 ↑ tr 209°</div>		<div>SANLE ✧</div>		<div>OZOPE ↑ tr 009°</div>		<div>VGSI and descent angles not coincident.</div>		<div>Procedure Turn NA</div>	
* LNAV Only.		* 1.9 NM to RW21		WIZNY		209°		YUXSI 2200	
<div>RW21</div>						2000		GS 3.00° TCH 45	
1.9 NM		3.5 NM		5.1 NM					
CATEGORY		A		B		C		D	
GLS PA DA		NA							
LNAV/ VNAV DA		660-1½ 433 (500-1½)							
LNAV MDA		860-1 633 (700-1)				860-1¾ 633 (700-1¾)		860-2 633 (700-2)	
CIRCLING		860-1½ 613 (700-1½)				860-1¾ 613 (700-1¾)		860-2 613 (700-2)	


SOUTH BOSTON FOUR ARRIVAL


RALEIGH-DURHAM, NORTH CAROLINA



RALEIGH APP CON
128.3 307.9
RALEIGH-DURHAM ATIS
123.8

ROANOKE
109.4 ROA 
Chan 31
N37°20.61' - W80°04.23'
L-26, H-10-12

GORDONSVILLE
115.6 GVE 
Chan 103
N38°00.81' - W78°09.18'
L-36, H-10-12

PULASKI
116.8 PSK 
Chan 115
N37°05.26' - W80°42.77'
L-26, H-10-12

SOUTH BOSTON 110.4 SBV  Chan 41 N36°40.50' - W79°00.87'

LIBERTY
113.0 LB  
Chan 77

ALDAN
N36°23.88' - W78°56.05'
TURBOJET VERTICAL
NAVIGATION
PLANNING INFORMATION
LANDING NORTHEAST: Expect
clearance to cross at 12000'.
LANDING SOUTHWEST: Expect
clearance to cross at 10000' and 250K.

HENDERSON-
OXFORD

✧

BILLA

N36°14.61' - W78°53.37'

✓ TURBOJET VERTICAL
NAVIGATION


LANDING INFORMATION

Expect clearance to cross
at or below 9000'.

✧

TRIANGLE NORTH
EXECUTIVE

RALEIGH-DURHAM

117.2 RDU 

Chan 119

N35°52.35'
W78°47.00'

NOTE: RADAR required for PSK transition to TABER intersection.

NOTE: Chart not to scale.

RALEIGH EXECUTIVE JETPORT AT SANFORD-LEE COUNTY

JOHNSTON COUNTY

GORDONSVILLE TRANSITION (GVE.SBV4): From over GVE VORTAC via GVE R-213 and SBV R-032 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

PULASKI TRANSITION (PSK.SBV4): From over PSK VORTAC via PSK R-100 and SBV R-300 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

ROANOKE TRANSITION (ROA.SBV4): From over ROA VORTAC via ROA R-132 and SBV R-313 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence . . .

... From over ALDAN INT via RDU R-351 to BILLA INT, then via RDU R-351 to RDU VORTAC. For arrival to Raleigh-Durham Intl (RDU), Franklin County (LHZ), Horace Williams (IGX), Johnston County (JNX) and Sanford-Lee County Rgnl (TTA) airports: Expect radar vectors to final approach course after BILLA INT.
For arrival to Henderson-Oxford (HNZ) and Person County (TDF) airports: Expect radar vectors to final approach course after ALDAN INT.

SOUTH BOSTON FOUR ARRIVAL

RALEIGH-DURHAM, NORTH CAROLINA

(SBV.SBV4) 10266

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

SHELBY—CLEVELAND CO RGNL (EHO) 3 SW UTC-5(-4DT) N35°15.35' W81°36.05'

CHARLOTTE

847 B S4 FUEL 100LL, JET A1+ NOTAM FILE RDU

H-9B, 12G, L-25D

RWY 05-23: H5002X100 (ASPH) S-21 MIRL

IAP

RWY 05: PAPI(P2L)—GA 3.0° TCH 41'. Trees.

RWY 23: PAPI(P2L)—GA 3.0° TCH 28'. Trees.

AIRPORT REMARKS: Attended Mon-Fri 1300-2200Z†, Sat

1500-2000Z†, Sun 1800-2100Z†. Fuel avbl 24 hrs self-svc with credit card. For svc after hrs call 704-284-3321. Rwy 05 has 45' dropoff 100' from thld. Rwy 23 has 35' dropoff 600' from thld. After 0300Z†, ACTIVATE MIRL Rwy 05-23—CTAF. PAPI Rwy 05 and Rwy 23 on continuously.

WEATHER DATA SOURCES: AWOS-3 118.425 (704) 487-0100.

COMMUNICATIONS: CTAF/UNICOM 122.8

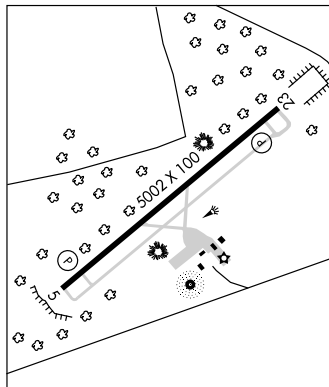
CHARLOTTE APP/DEP CON 134.75

RADIO AIDS TO NAVIGATION: NOTAM FILE AND.

SPARTANBURG (H) VORTAC 115.7 SPA Chan 104 N35°02.02'

W81°55.62' 052° 20.9 NM to fld. 910/02W.

FIRST RIVER NDB (MHW) 417 SLP N35°15.16' W81°35.93' at fld. NOTAM FILE RDU.

**SHIFLET FLD** (See MARION)**SILER CITY MUNI** (5W8) 3 SW UTC-5(-4DT) N35°42.27' W79°30.24'

CHARLOTTE

614 B S4 FUEL 100LL, JET A1+ NOTAM FILE RDU

H-9C, 12H, L-25E, 36F

RWY 04-22: H5000X75 (ASPH) S-25 MIRL 0.3% up NE

IAP

RWY 04: PAPI(P2L)—GA 4.0° TCH 40'. Tree.

RWY 22: PAPI(P2L)—GA 3.0° TCH 30'. Trees.

AIRPORT REMARKS: Attended Mon-Sat 1400-2200Z†, Sun

1700-2200Z†. After hrs fuel or svcs call 919-545-0138 or 919-619-2707. Fuel 100LL avbl 24 hrs self svc. Deer and birds on and infov arpt. MIRL Rwy 04-22 preset low ints dusk-0500Z†; to increase ints and ACTIVATE after 0500Z†—CTAF. PAPI Rwy 04 and 22 opr continuously.

COMMUNICATIONS: CTAF/UNICOM 122.7

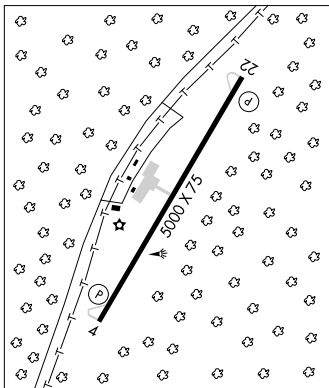
® GREENSBORO APP/DEP CON 118.5

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

LIBERTY (L) VORTAC 113.0 LIB Chan 77 N35°48.70'

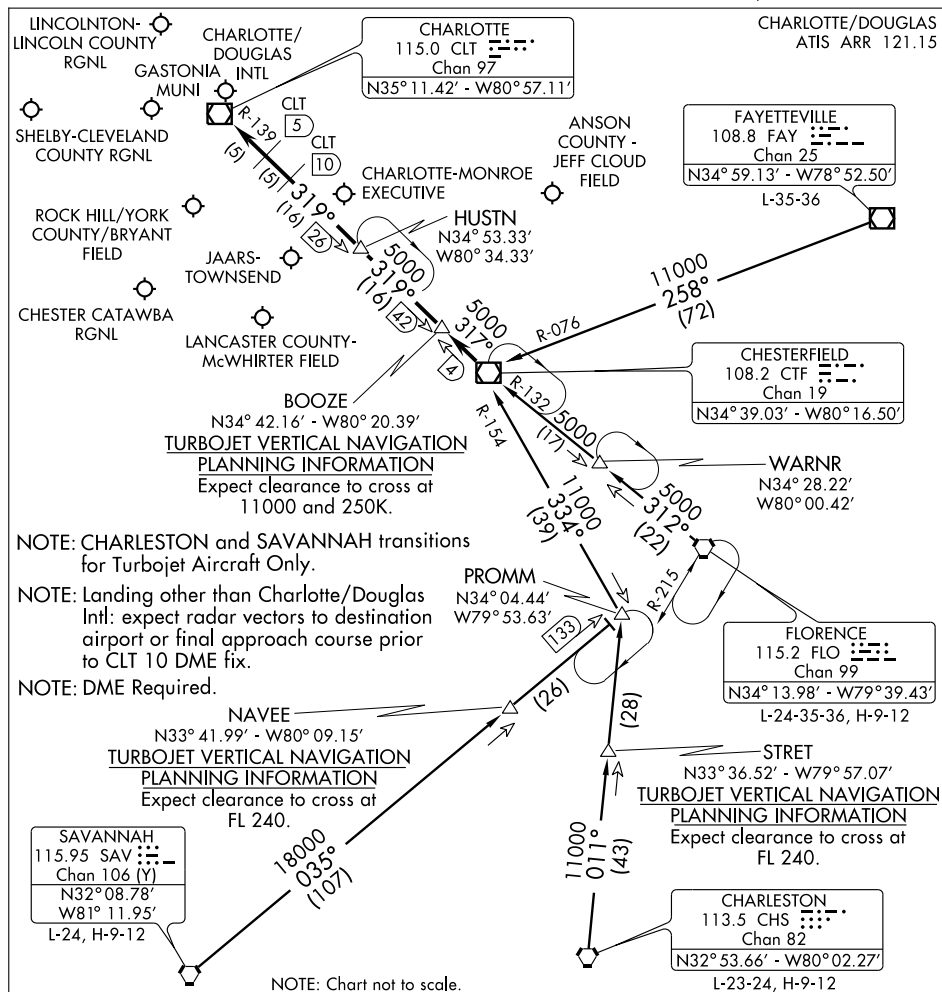
W79°36.76' 143° 8.3 NM to fld. 830/03W.

NDB (MHW) 371 TOX N35°45.69' W79°27.74' 218° 4.0 NM to fld.



CHESTERFIELD THREE ARRIVAL

CHARLOTTE, NORTH CAROLINA



NOTE: CHARLESTON and SAVANNAH transitions for Turbojet Aircraft Only.

NOTE: Landing other than Charlotte/Douglas Intl: expect radar vectors to destination airport or final approach course prior to CLT 10 DME fix.

NOTE: DME Required.

SAVANNAH
115.95 SAV
Chan 106 (Y)
N32° 08.78' - W81° 11.95'
L-24, H-9-12

CHARLESTON TRANSITION (CHS.CTF3): From over CHS VORTAC via CHS R-011 to PROMM INT then via CTF R-154 to CTF VOR/DME. Thence....

FAYETTEVILLE TRANSITION (FAY.CTF3): From over FAY VOR/DME via FAY R-258 and CTF R-076 to CTF VOR/DME. Thence....

FLORENCE TRANSITION (FLO.CTF3): From over FLO VORTAC via FLO R-312 and CTF R-132 to CTF VOR/DME. Thence....

SAVANNAH TRANSITION (SAV.CTF3): From over SAV VORTAC via SAV R-035 to PROMM INT then via CTF R-154 to CTF VOR/DME. Thence....

...From over CTF VOR/DME via CTF R-317 to BOOZE, then via CLT R-139 to:

(LANDING NORTH) HUSTN INT: Expect radar vectors to final approach course.

(LANDING SOUTH) CLT VOR/DME: Expect radar vectors to final approach course prior to CLT 5 DME fix.

CHESTERFIELD THREE ARRIVAL

CHARLOTTE, NORTH CAROLINA

MAJIC ONE ARRIVAL

CHARLOTTE, NORTH CAROLINA

CHARLOTTE/DOUGLAS
ATIS ARR 121.15
CHARLOTTE APP CON
(001° -119°) **128.32**
(120° -245°) **120.05**
(246° -360°) **134.75**
(180° -359°) **257.2**
(360° -179°) **307.8**

ROANOKE
109.4 ROA
Chan 31
N37°20.61' - W80°04.23'
L-26, H-10-12

MAYOS
N36°19.59' - W79°59.79'
**TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION**
Expect to cross at FL220.

MAJIC
N35°48.71' - W80°26.17'
**TURBOJET VERTICAL
NAVIGATION
PLANNING INFORMATION**
Expect to cross at 13,000'/250K.

LYNCHBURG
109.2 LYH
Chan 29
N37°15.28' - W79°14.19'
L-26-36, H-10-12

KELLS
N36°35.17' - W79°47.17'

RALEIGH/DURHAM
117.2 RDU
Chan 119
N35°52.35' - W78°47.00'
L-36, H-9-12

SUDSY
N35°44.58' - W80°29.63'

LINCOLNTON-
LINCOLN COUNTY
RGNL

SHELBY-
CLEVELAND
COUNTY RGNL

GASTONIA
MUNI

ROCK HILL/YORK
COUNTY/BRYANT
FIELD

CHESTER CATAWBA
RGNL

NOTE: Chart not to scale.

CLT
10

CHARLOTTE
DOUGLAS
INTL

CLT
5

CHARLOTTE
115.0 CLT
Chan 97
N35°11.42' - W80°57.11'

CHARLOTTE-MONROE
EXECUTIVE

JAARS-
TOWNSEND

LANCASTER COUNTY-
McWHIRTER FIELD

GIZMO
N35°32.99' - W80°39.29'

ANSON COUNTY -
JEFF CLOUD
FIELD

LIBERTY
113.0 LIB
Chan 77
N35°48.70' - W79°36.76'

NOTE: DME required.
NOTE: RADAR required for LIB R-273.
NOTE: Landing other than Charlotte/
Douglas Intl; expect radar
vectors to destination airport
or final approach course prior
to CLT 10 DME fix.

LIBERTY TRANSITION (LIB.MAJIC1): From over LIB VORTAC via LIB R-273
to MAJIC INT. Thence. . .

LYNCHBURG TRANSITION (LYH.MAJIC1): From over LYH VORTAC via LYH R-219
and CLT R-039 to MAJIC INT. Thence. . .

ROANOKE TRANSITION (ROA.MAJIC1): From over ROA VORTAC via ROA R-181
and CLT R-039 to MAJIC INT. Thence. . .

. . . .From over MAJIC via CLT R-039 to:

LANDING NORTH: CLT VOR/DME. Expect radar vectors to final approach course prior
to the CLT 5 DME fix.

LANDING SOUTH: GIZMO. Expect radar vectors to final approach course.

MAJIC ONE ARRIVAL

CHARLOTTE, NORTH CAROLINA

NDB SLP	APP CRS	Rwy Idg	5002
417	218°	TDZE	847
		Apt Elev	847

NDB RWY 23

SHELBY - CLEVELAND COUNTY RGNL (EHO)

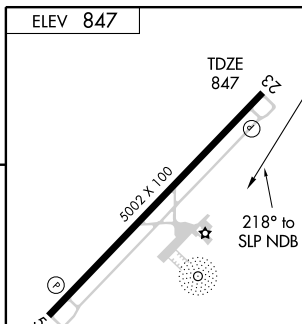
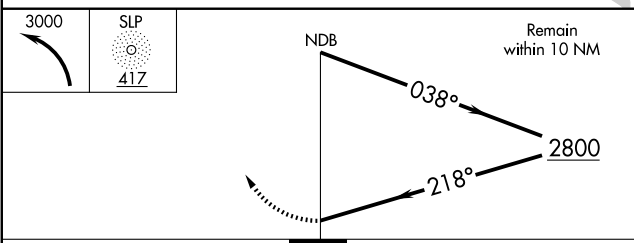
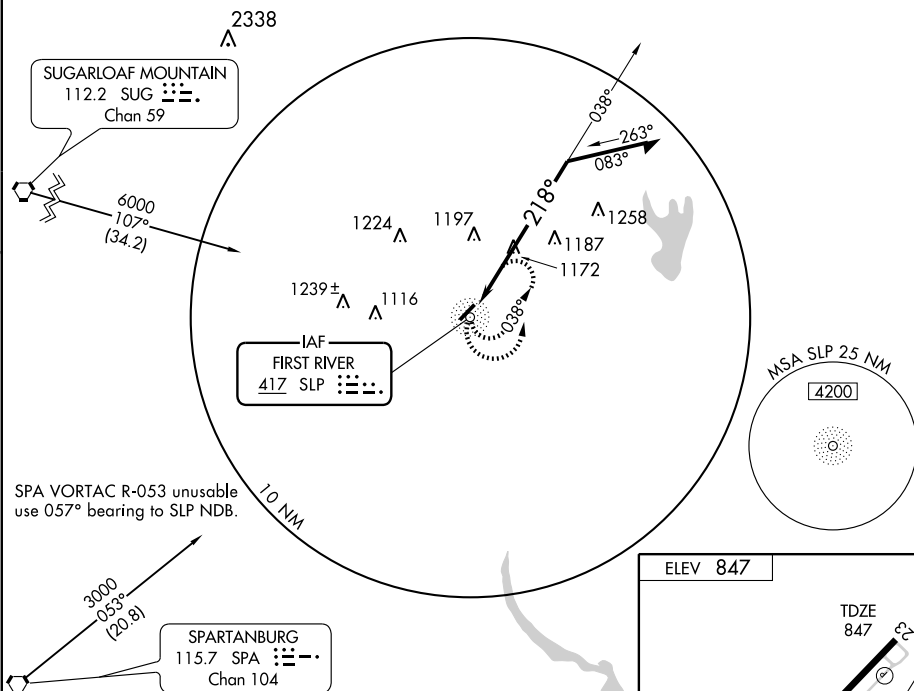
▼ Visibility reduction by helicopters NA. When local altimeter setting not received, use Charlotte altimeter setting and increase all MDA 100 feet and S-23 Cat. C and D visibility ¼ mile and Circling Cat. C and D visibility ½ mile.

MISSED APPROACH: Climbing left turn to 3000 in SLP NDB holding pattern.

AWOS-3
118.425

CHARLOTTE APP CON
134.75 257.2

UNICOM
122.8 (CTAF) 0



CATEGORY	A	B	C	D
S-23	1620-1 773 (800-1)	1620-1¼ 773 (800-1¼)	1620-2¼ 773 (800-2¼)	1620-2½ 773 (800-2½)
CIRCLING	1620-1 773 (800-1)	1620-1¼ 773 (800-1¼)	1620-2¼ 773 (800-2¼)	1620-2½ 773 (800-2½)

MIRL Rwy 5-23 0

APP CRS **050°**
 Rwy Idg **5002**
 TDZE **847**
 Apt Elev **847**

RNAV (GPS) RWY 5

SHELBY - CLEVELAND COUNTY RGNL (EHO)



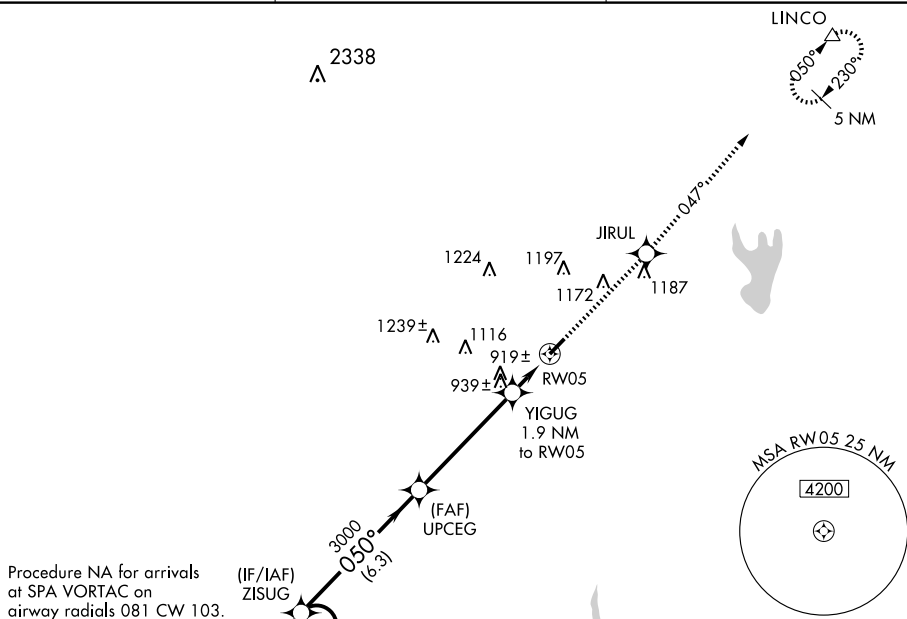
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
 When local altimeter setting not received use Charlotte altimeter setting and increase all MDA 100 feet and LNAV Cat. C and Circling Cat. D visibility ¼ mile and LNAV Cat. D visibility ½ mile.

MISSED APPROACH: Climb to 4000
 direct JIRUL and via 047° track to
 LINCO and hold.

AWOS-3
118.425

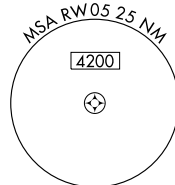
CHARLOTTE APP CON
134.75 257.2

UNICOM
122.8 (CTAF) 0



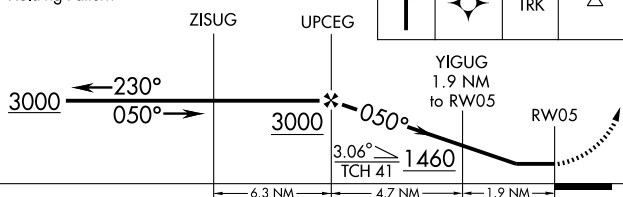
Procedure NA for arrivals
 at SPA VORTAC on
 airway radials 081 CW 103.

(IAF)
 SPARTANBURG
 SPA

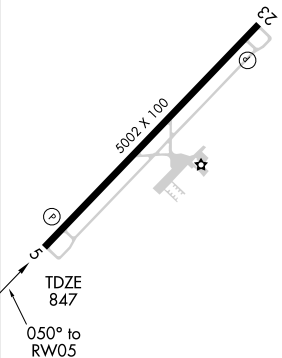


ELEV 847

4 NM
 Holding Pattern



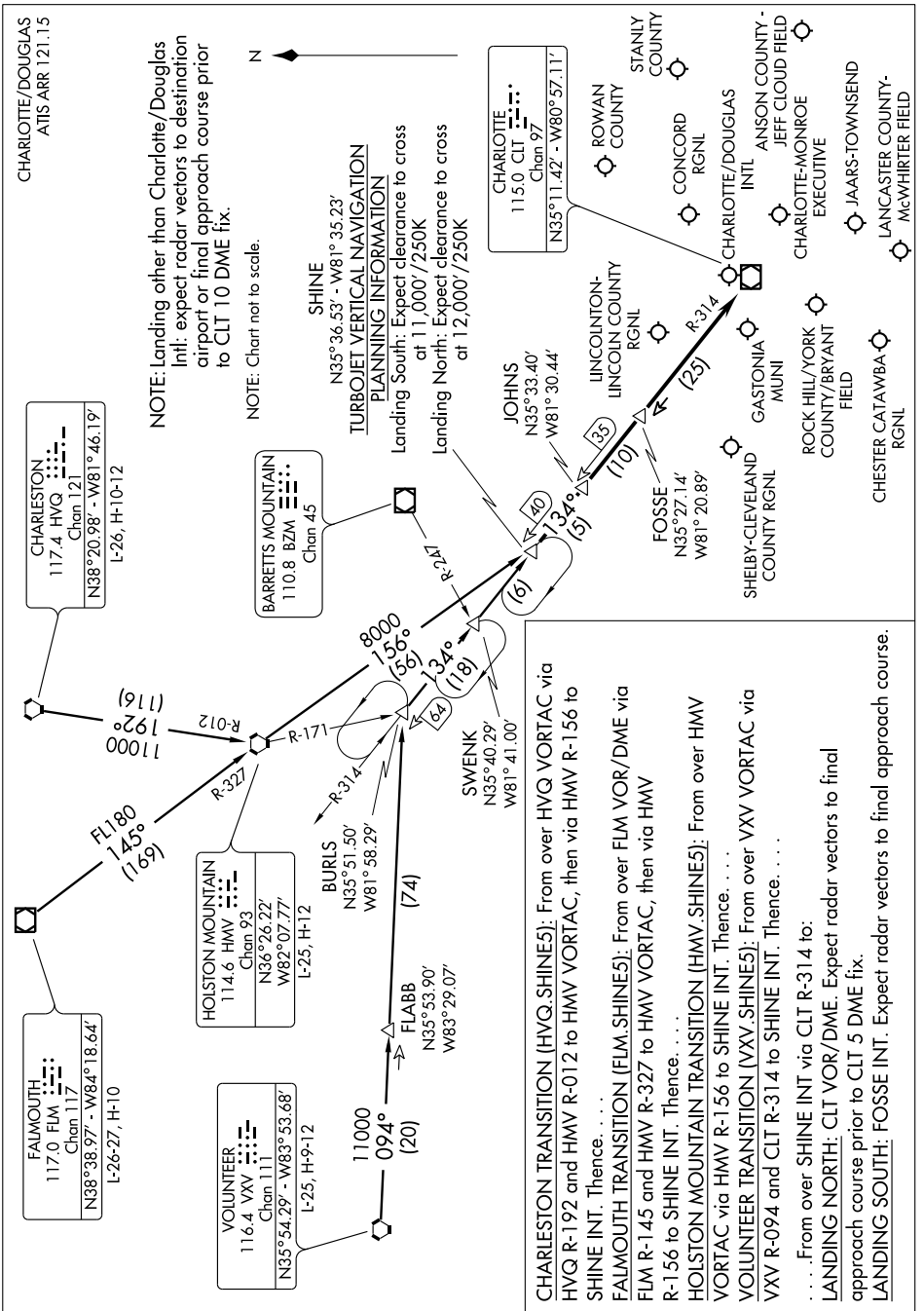
CATEGORY	A	B	C	D
LNAV MDA	1180-1 333 (400-1)			
CIRCLING	1240-1 393 (400-1)	1300-1 453 (500-1)	1300-1½ 453 (500-1½)	1480-2 633 (700-2)



MIRL Rwy 5-23 0

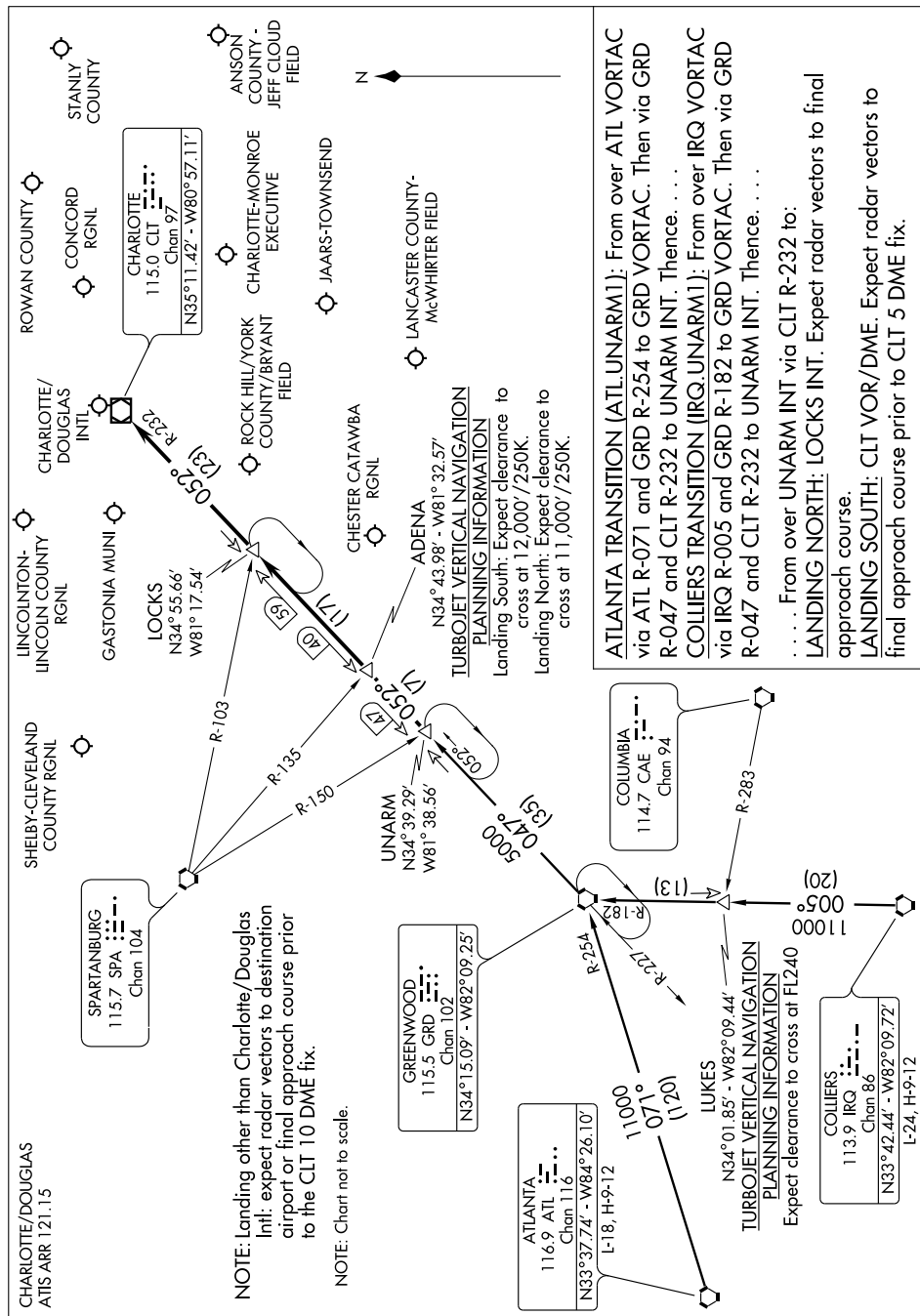
SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA



SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA



SHELBY—CLEVELAND CO RGNL (EHO) 3 SW UTC-5(-4DT) N35°15.35' W81°36.05'

CHARLOTTE

847 B S4 FUEL 100LL, JET A1+ NOTAM FILE RDU

H-9B, 12G, L-25D

RWY 05-23: H5002X100 (ASPH) S-21 MIRL

IAP

RWY 05: PAPI(P2L)—GA 3.0° TCH 41'. Trees.

RWY 23: PAPI(P2L)—GA 3.0° TCH 28'. Trees.

AIRPORT REMARKS: Attended Mon-Fri 1300-2200Z†, Sat 1500-2000Z†, Sun 1800-2100Z†. Fuel avbl 24 hrs self-svc with credit card. For svc after hrs call 704-284-3321. Rwy 05 has 45' dropoff 100' from thld. Rwy 23 has 35' dropoff 600' from thld. After 0300Z†, ACTIVATE MIRL Rwy 05-23—CTAF. PAPI Rwy 05 and Rwy 23 on continuously.

WEATHER DATA SOURCES: AWOS-3 118.425 (704) 487-0100.

COMMUNICATIONS: CTAF/UNICOM 122.8

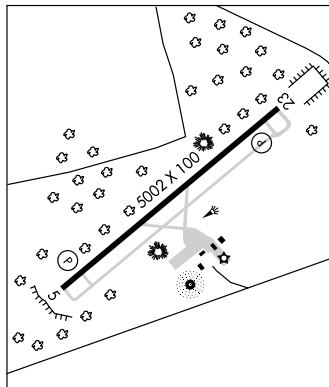
CHARLOTTE APP/DEP CON 134.75

RADIO AIDS TO NAVIGATION: NOTAM FILE AND.

SPARTANBURG (H) VORTAC 115.7 SPA Chan 104 N35°02.02'

W81°55.62' 052° 20.9 NM to fld. 910/02W.

FIRST RIVER NDB (MHW) 417 SLP N35°15.16' W81°35.93' at fld. NOTAM FILE RDU.



SHIFLET FLD (See MARION)

SILER CITY MUNI (5W8) 3 SW UTC-5(-4DT) N35°42.27' W79°30.24'

CHARLOTTE

614 B S4 FUEL 100LL, JET A1+ NOTAM FILE RDU

H-9C, 12H, L-25E, 36F

RWY 04-22: H5000X75 (ASPH) S-25 MIRL 0.3% up NE

IAP

RWY 04: PAPI(P2L)—GA 4.0° TCH 40'. Tree.

RWY 22: PAPI(P2L)—GA 3.0° TCH 30'. Trees.

AIRPORT REMARKS: Attended Mon-Sat 1400-2200Z†, Sun 1700-2200Z†. After hrs fuel or svcs call 919-545-0138 or 919-619-2707. Fuel 100LL avbl 24 hrs self svc. Deer and birds on and in/ov arpt. MIRL Rwy 04-22 preset low ints dusk-0500Z†; to increase ints and ACTIVATE after 0500Z†—CTAF. PAPI Rwy 04 and 22 opr continuously.

COMMUNICATIONS: CTAF/UNICOM 122.7

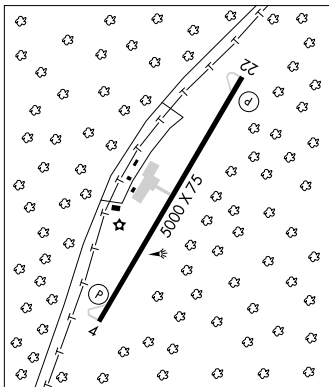
® GREENSBORO APP/DEP CON 118.5

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

LIBERTY (L) VORTAC 113.0 LIB Chan 77 N35°48.70'

W79°36.76' 143° 8.3 NM to fld. 830/03W.

NDB (MHW) 371 TOX N35°45.69' W79°27.74' 218° 4.0 NM to fld.



NDB TOX 371	APP CRS 218°	Rwy Idg TDZE Apt Elev	5000 614 614
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NDB RWY 22

SILER CITY MUNI (5W8)

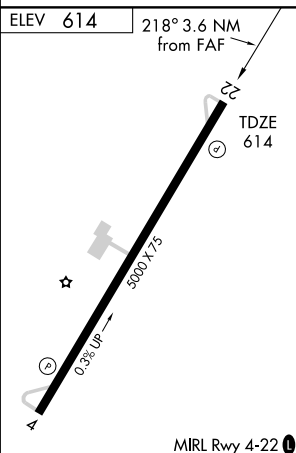
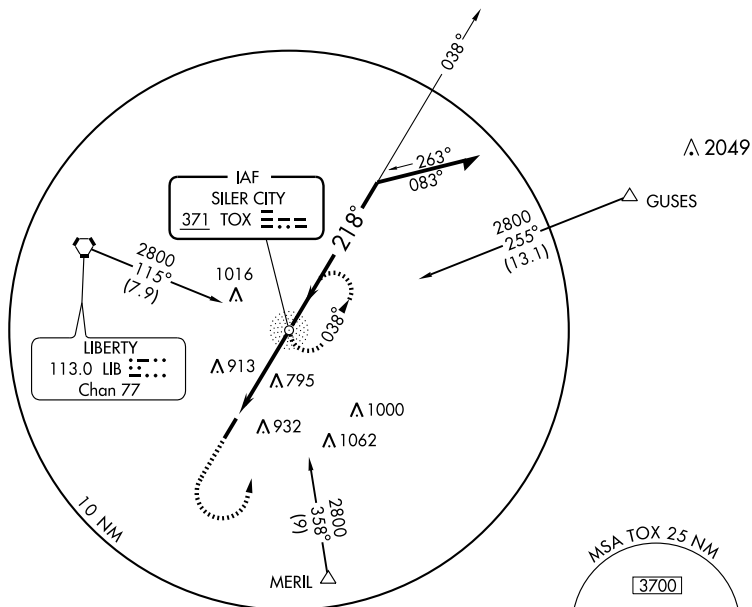


Use Greensboro altimeter setting.

MISSED APPROACH: Climb to 1800 then climbing
left turn to 2800 direct TOX NDB and hold.

GREENSBORO APP CON
118.5 327.075

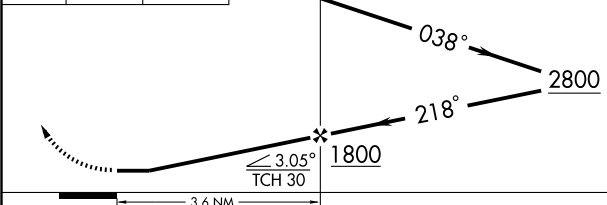
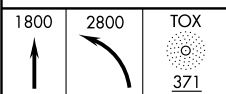
UNICOM
122.7 (CTAF)



FAF to MAP 3.6 NM					
Knots	60	90	120	150	180
Min:Sec	3:36	2:24	1:48	1:26	1:12

SILER CITY, NORTH CAROLINA

Amdt 1 08101



CATEGORY	A	B	C	D
S-22	1400-1 786 (800-1)	1400-1¼ 786 (800-1¼)	1400-2¼ 786 (800-2¼)	NA
CIRCLING	1400-1 786 (800-1)	1400-1¼ 786 (800-1¼)	1400-2¼ 786 (800-2¼)	NA

SILER CITY MUNI (5W8)

NDB RWY 22

35°42'N-79°30'W

RNAV (GPS) RWY 22

SILER CITY MUNI (5W8)

APP CRS 218°	Rwy Idg TDZE Apt Elev	5000 614 614
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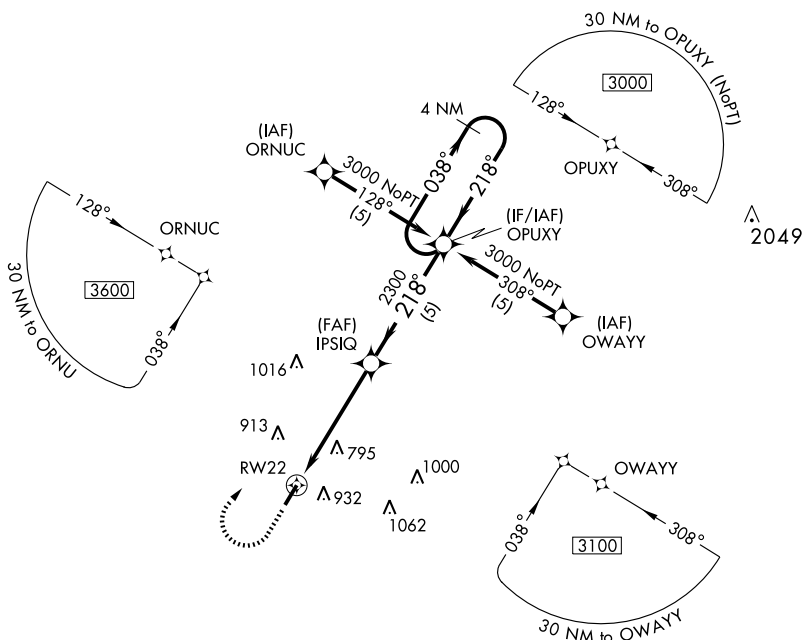


Use Greensboro altimeter setting.
GPS or RNP-0.3 required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 1600 then climbing
right turn to 3000 direct OPUXY WP and hold.

GREENSBORO APP COM
118.5 327.075

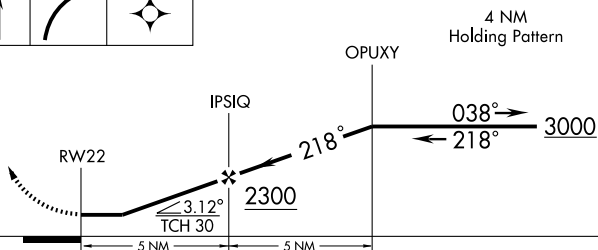
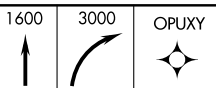
UNICOM
122.7 (CTAF)



ELEV 614

218° to RW22

TDZE 614



CATEGORY	A	B	C	D
LNAV MDA	1240-1	626 (700-1)	1240-1 $\frac{3}{4}$ 626 (700-1 $\frac{3}{4}$)	NA
CIRCLING	1400-1 786 (800-1)	1400-1 $\frac{1}{4}$ 786 (800-1 $\frac{1}{4}$)	1400-2 $\frac{1}{4}$ 786 (800-2 $\frac{1}{4}$)	NA

MIRL Rwy 4-22

SILER CITY, NORTH CAROLINA

Orig-A 08101

35°42'N-79°30'W

SILER CITY MUNI (5W8)

RNAV (GPS) RWY 22

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

VORTAC LIB 113.0 Chan 77	APP CRS 144°	Rwy Idg TDZE Apt Elev	N/A N/A 614
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VOR or GPS-A

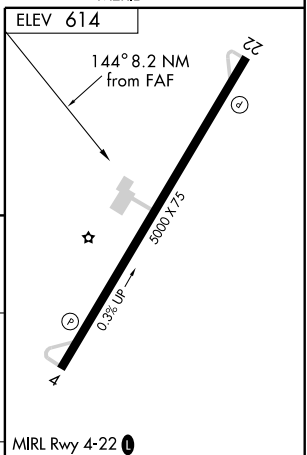
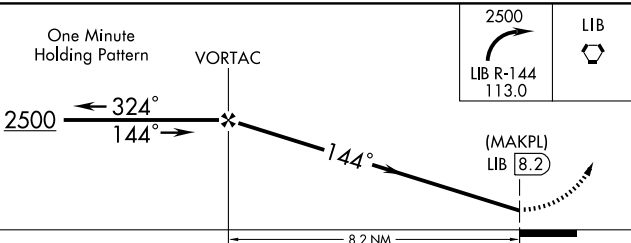
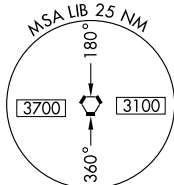
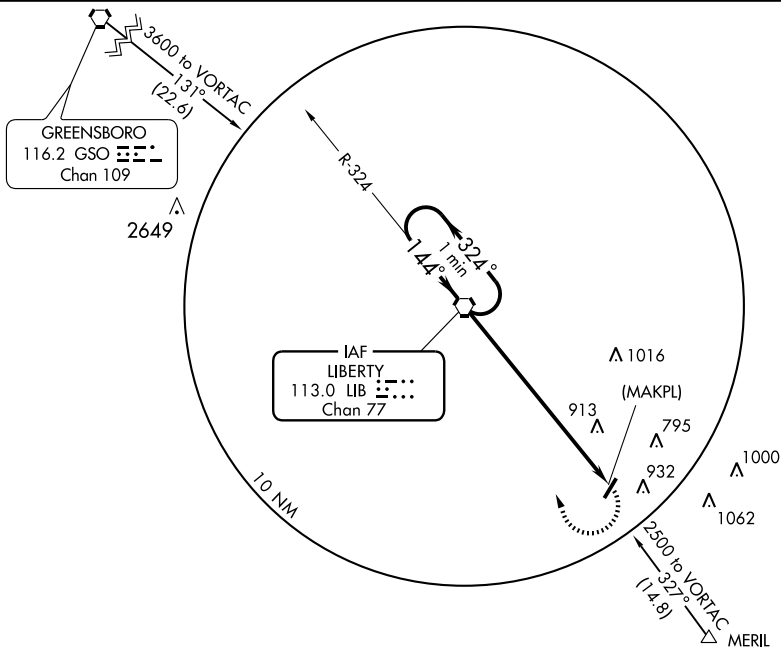
SILER CITY MUNI (5W8)

▼
▲ NA Use Greensboro altimeter setting.

MISSED APPROACH: Climbing right turn to 2500 via LIB R-144 to LIB VORTAC and hold.

GREENSBORO APP CON
118.5 327.075

UNICOM
122.7 (CTAF) 0



CATEGORY	A	B	C	D	FAF to MAP 8.2 NM					
CIRCLING	1400-1 786 (800-1)	1400-1¼ 786 (800-1¼)	1400-2¼ 786 (800-2¼)	NA	Knots	60	90	120	150	180
					Min:Sec	8:12	5:28	4:06	3:17	2:44

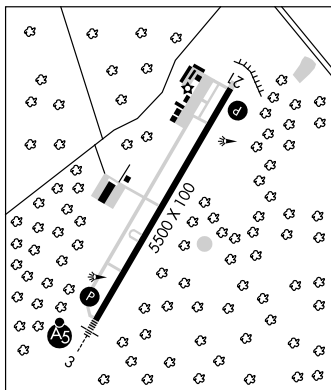
SIMMONS AAF (FORT BRAGG) (FBG)(KFBG) A 1 E UTC-5(-4DT) N35°07.92' W78°56.17' **CHARLOTTE**
 244 B TPA—See Remarks NOTAM FILE FBG Not insp. **H-9C, 12H, L-35A, 36F**
RWY 09-27: H5011X110 (ASPH) PCN 20 F/A/W/T MIRL **DIAP, AD**
RWY 09: Thld dsplcd 705'.
RWY 27: REIL. PAPI(P2L)—GA 2.9° TCH 39'. Thld dsplcd 197'.
MILITARY SERVICE: FUEL J8 24hr PPR for cold fuel. Hot refuel hrs Mon-Fri 2100-0500Z‡.
MILITARY REMARKS: Opr Mon-Fri 1200-0400Z‡ Sat-Sun 1200-2000Z‡, CLOSED holidays. When twr and/or surface visibility is blo 4 SM the lesser value will be reported as prevailing. See FLIP AP/1 Flt Hazard and Supplementary Arpt Remark. **RSTD** 24 hr PPR for remain overnight and all civil acft, DSN 236-7804, C910-396-7804. No Haz Cargo area avbl. **CAUTION** Bird hazard. Arpt perimeter lgt may cause pilot distraction. **TFC PAT** TPA—Fixed-wing 1250(1006), rotary-wing 1000(756). **MISC** Pilots notify Simmons OPS 20 minutes out with Code 6 or abv on board. All acft ctc GND CON prior to engine start. All wheeled rotary-wing acft gnd taxi until reaching twy. No refuel avbl on VIP spots.
COMMUNICATIONS: ATIS 139.25
 Ⓡ **FAYETTEVILLE APP/DEP CON** 133.0 295.0
TOWER 125.9 240.625 (Mon 0510Z‡-Sat 0400Z‡, clsd holidays) **GND CON** 121.9 229.4 **CLNC DEL** 121.9 229.4
FLT ADVISORY 125.9 240.625 **PMSV METRO** 141.25 265.6 (Mon 0400Z‡-Sat 0400Z‡, clsd holidays. Full svc during opr hr, other times remote briefing from 26 OWS Barksdale AFB, LA, DSN 781-4775, C318-456-4775.
BASE OPS 142.35 245.5
AIRSPACE: CLASS D svc Mon 0510Z‡-Sat 0400Z‡, clsd holidays, other times CLASS G.
RADIO AIDS TO NAVIGATION: NOTAM FILE FAY.
FAYETTEVILLE (L) VOR/DME 108.8 FAY Chan 25 N34°59.13' W78°56.38' 273° 6.1 NM to fld. 179/04W.
FORT BRAGG NDB (MHW) 393 FGP N35°08.33' W78°48.75' 275° 6.1 NM to fld. NOTAM FILE FBG.
 Unmonitored Mon-Fri 0400-1200Z‡, Sat-Sun and holidays 2000-1200Z‡. No NOTAM MP 1st Mon 1300-1330Z‡.
ASR/PAR Mon-Fri 1200-0400Z‡, clsd holidays)
COMM/NAV/WEATHER REMARKS: Radar see Terminal FLIP for Radar Minima.

SKY MANOR (See JACKSONVILLE)

SLAMMER N36°22.90' W79°45.77' NOTAM FILE RDU. **CINCINNATI**
NDB (MHW) 423 SIF 315° 5.4 NM to Rockingham Co NC Shiloh. NDB unmonitored. **L-26J, 36F**

SMITHFIELD

JOHNSTON CO (JNX) 3 NW UTC-5(-4DT) N35°32.46' W78°23.42' **CHARLOTTE**
 164 B S4 **FUEL** 100LL, JET A1+ TPA—1199(1035) NOTAM FILE JNX **H-9C, 12H, L-35B, 36F**
RWY 03-21: H5500X100 (ASPH) S-65, D-65 MIRL 0.3% up NE **IAP**
RWY 03: MALSR. PAPI(P4L)—GA 3.0° TCH 45'. Trees.
RWY 21: REIL. PAPI(P4L)—GA 4.0° TCH 49'. Trees.
AIRPORT REMARKS: Attended Mon-Fri 1200-0000Z‡, Sat and Sun 1300-2300Z‡. Unattended Thanksgiving and Christmas day. Deer on and in/ov arpt. Be alert when taxiing near south ramp/corporate hangar. Rwy 03-21 30' dropoff 350' from Rwy 21 thld to left and right of centerline. 50' AGL twr 200' SW of Rwy 03 centerline. Avoid overflights of housing area in tfc pattern for noise abatement. Fly wider down winds and longer dep legs. Between 0130-1100Z‡ ACTIVATE MIRL Rwy 03-21, MALSR Rwy 03, REIL Rwy 21, PAPI Rwy 03 and Rwy 21, and twy lghts—CTAF.
WEATHER DATA SOURCES: AWOS-3 120.225 (919) 934-3851.
COMMUNICATIONS: CTAF/UNICOM 122.8
 Ⓡ **RALEIGH APP/DEP** 125.3
GCO 135.075 (RALEIGH CLNC and FLIGHT SERVICES)
RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.
RALEIGH/DURHAM (H) VORTACW 117.2 RDU Chan 119 N35°52.35' W78°47.00' 140° 27.6 NM to fld. 429/04W.
JURLY NDB (MHW/LOM) 263 JN N35°28.50' W78°25.52' 032° 4.3 NM to fld. NOTAM FILE JNX. NDB unmonitored 2200-1300Z‡. NDB unusable byd 15 NM.
ILS/DME 111.15 I-JNX Chan 48(Y) Rwy 03. Class IB. LOM JURLY NDB. JURLY (JN) NDB unmonitored 2200-1300Z‡. ILS GS/LOC unmonitored 2200-1300Z‡. DME unmonitored. JURLY(JN) NDB unusable byd 15 NM. OM OTS indef.



SMITH REYNOLDS (See WINSTON SALEM)

LOC/DME I-JNX
111.15
 Chan **48**(Y)

APP CRS
032°

Rwy Idg **5500**
 TDZE **147**
 Apt Elev **164**

ILS or LOC RWY 3

SMITHFIELD/JOHNSTON COUNTY (JNX)

When local altimeter setting not received, use Erwin altimeter setting and increase all DA 50 feet and all MDA 60 feet and increase S-LOC 3 Cat C and D and Circling Cat C and D visibility ¼ mile. Increase JONIR DME fix S-LOC 3 Cat C and D and Circling Cat C and D visibility ¼ mile. ADF and DME or RADAR Required.

MALS



MISSED APPROACH: Climb to 1000 then climbing right turn to 1700 direct JN NDB and hold.

AWOS-3
120.225

RALEIGH APP CON
125.3 353.675

GCO
135.075

UNICOM
122.8 (CTAF) **1**

△ 2349

WENDI

2900 to NDB
 193° (14.7)

△ BRADE

LOCALIZER **111.15**
 I-JNX
 Chan **48**(Y)

IAF
 JURLY
 263 JN

JIHDI
 I-JNX **5.2**
 RADAR

JONIR
 I-JNX **3.5**

ALTERNATE
 MISSED APCH FIX

117.2 RDU
 Chan 119
 120°
 300°-R-120
 BRADE

MSA JN 25 NM

3400

ADF REQUIRED

Remain
 within 10 NM

NDB 1000 1700 JN

GS 3.00°
 TCH 50

VGSI and ILS Glidepath
 not coincident.

JIHDI
 I-JNX **5.2**
 RADAR

JONIR
 I-JNX **3.5**

I-JNX **1.2**

*LOC only

1700 212°

032°

1500

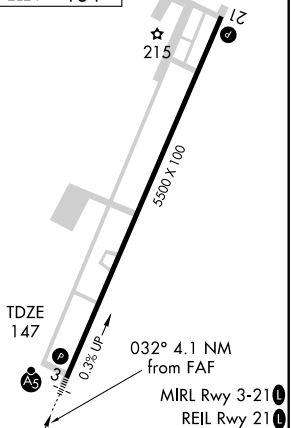
032°

*940

1.7 NM 2.3 NM

CATEGORY	A	B	C	D
S-ILS 3		347-½	200 (200-½)	
S-LOC 3	940-½ 793 (800-½)	940-¾ 793 (800-¾)	940-1¾ 793 (800-1¾)	940-2 793 (800-2)
CIRCLING	940-1 776 (800-1)	940-1¼ 776 (800-1¼)	940-2¼ 776 (800-2¼)	960-2½ 796 (800-2½)
JONIR DME FIX MINIMUMS				
S-LOC 3	780-½	633 (700-½)	780-1¼ 633 (700-1¼)	780-1½ 633 (700-1½)
CIRCLING	780-1	616 (700-1)	780-1¾ 616 (700-1¾)	960-2½ 796 (800-2½)

ELEV 164



FAF to MAP 4.1 NM					
Knots	60	90	120	150	180
Min:Sec	4:06	2:44	2:03	1:38	1:22

NDB JN 263	APP CRS 032°	Rwy Idg TDZE Apt Elev	5500 147 164
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NDB RWY 3

SMITHFIELD/JOHNSTON COUNTY (JNX)

NA When local altimeter not received, use Erwin altimeter setting and increase all MDA 60 feet and S-3 and Circling Cats C and D visibility ¼ mile. For inoperative MALS, increase S-3 visibility Cat B to 1¼ mile. For inoperative MALS when using Erwin altimeter setting increase S-3 visibility Cat B to 1¼ mile.

MALS



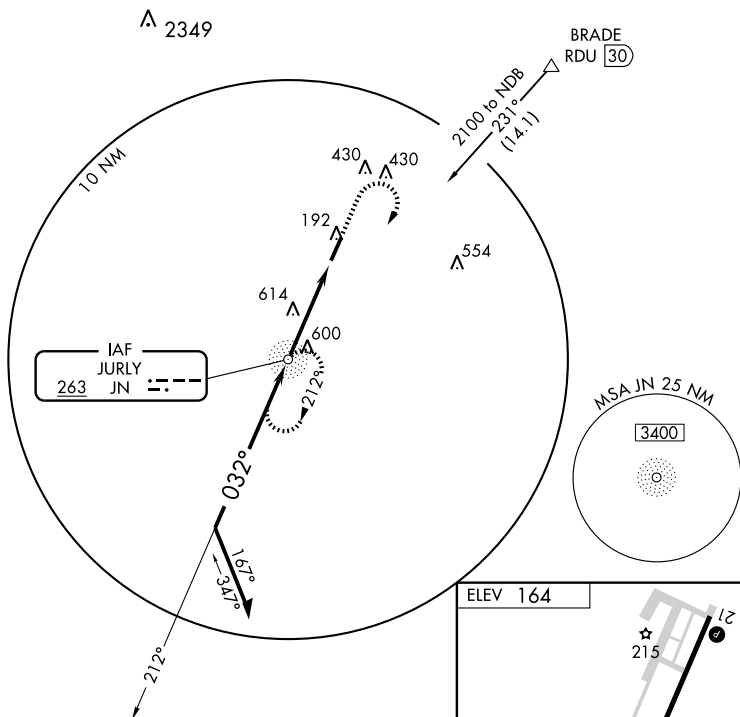
MISSED APPROACH: Climb to 1400 then climbing right turn to 1700 direct JN NDB and hold.

AWOS-3
120.225

RALEIGH APP CON
125.3 353.675

GCO
135.075

UNICOM
122.8 (CTAF) 0



Remain
within 10 NM

1700

212°

NDB

VGSI and descent angles
not coincident.

1500

3.20°

TCH 45

3.9 NM

1400

1700

JN

ELEV 164

TDZE

147

032° 3.9 NM

from FAF

MIRL Rwy 3-21

REIL Rwy 21

FAF to MAP 3.9 NM

CATEGORY	A	B	C	D
S-3	920-¾ 773 (800-¾)		920-1¾ 773 (800-1¾)	920-2¼ 773 (800-2¼)
CIRCLING	920-1 756 (800-1)	920-1¼ 756 (800-1¼)	920-2¼ 756 (800-2¼)	920-2½ 796 (800-2½)

Knots	60	90	120	150	180
Min:Sec	3:54	2:36	1:57	1:34	1:18

SMITHFIELD, NORTH CAROLINA

Amdt 1 26AUG10

SMITHFIELD/JOHNSTON COUNTY (JNX)

35°32'N-78°23'W

NDB RWY 3

SE-2, 21 OCT 2010 to 18 NOV 2010

WAAS CH 48819 W03A	APP CRS 032°	Rwy Idg TDZE 147 Apt Elev 164	5500
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RNAV (GPS) RWY 3

SMITHFIELD/JOHNSTON COUNTY (JNX)

▼ Baro-VNAV NA when using Erwin altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). DME/DME RNP-0.3 NA. VDP NA with Erwin altimeter setting. When local altimeter setting not received, use Erwin altimeter setting and increase all DA 50 feet and all MDA 60 feet and LNAV and Circling Cats B, C and D visibility $\frac{1}{4}$ mile.
▲ Inoperative table does not apply to LNAV/VNAV when using Erwin altimeter setting.

MALSR



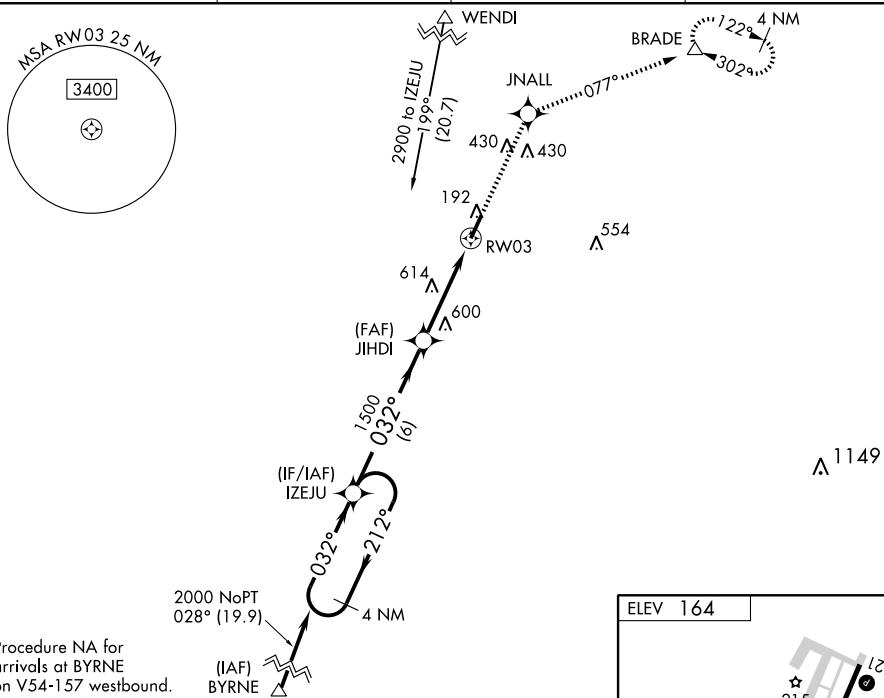
MISSED APPROACH:
Climb to 2000 direct JNALL and on track 077° to BRADE and hold.

AWOS-3
120.225

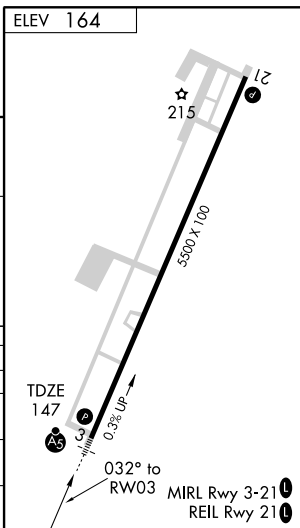
RALEIGH APP CON
125.3 353.675

GCO
135.075

UNICOM
122.8 (CTAF) 1



4 NM Holding Pattern		VGSI and RNAV glidepath not coincident. IZEJU		2000	JNALL	tr 077°	BRADE
2000		032°		1500	*2.2 NM to RWY 03		
GS 3.00° TCH 50		032°		1500	*LNAV only.		
		6 NM		1.9 NM	2.2		
CATEGORY	A	B	C	D			
LPV DA	347- $\frac{1}{2}$ 200 (200- $\frac{1}{2}$)						
LNAV/VNAV DA	1076-4 929 (1000-4)						
LNAV MDA	880- $\frac{1}{2}$	733 (800- $\frac{1}{2}$)	880- $\frac{1}{2}$ 733 (800- $\frac{1}{2}$)	880- $\frac{1}{4}$ 733 (800- $\frac{1}{4}$)			
CIRCLING	880-1	716 (800-1)	880-2 716 (800-2)	960-2 796 (800-2)			



SMITHFIELD, NORTH CAROLINA

SMITHFIELD/JOHNSTON COUNTY (JNX)

Orig-A 23SEP10

35°32'N-78°23'W

RNAV (GPS) RWY 3

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy Idg	5500
212°	TDZE	164
	Apt Elev	164

RNAV (GPS) RWY 21

SMITHFIELD/JOHNSTON COUNTY (JNX)

▼ DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter not received, use Erwin altimeter setting and increase all MDA 60 feet and Circling Cat D visibility ¼ mile. VDP NA with Erwin altimeter setting.

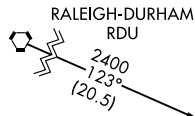
MISSED APPROACH: Climbing left turn to 2000 direct BRADE and hold.

AWOS-3
120.225

RALEIGH APP CON
125.3 353.675

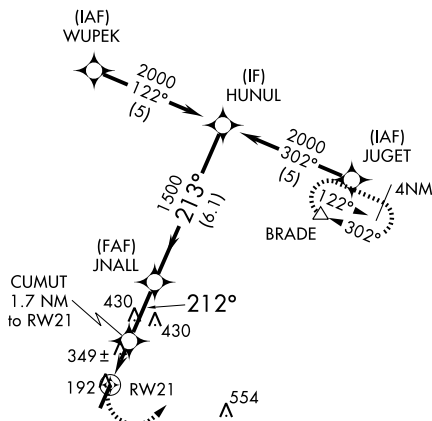
GCO
135.075

UNICOM
122.8 (CTAF)

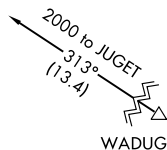


Procedure NA for arrivals on RDU VORTAC airway radials 063 CW 120.

Λ 2349

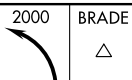
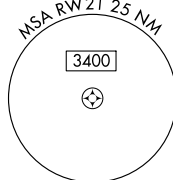
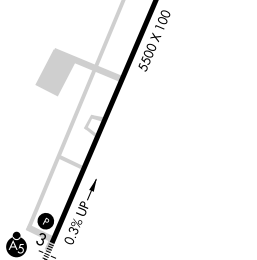


Λ 2208



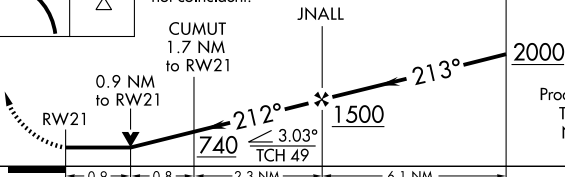
ELEV 164

212° to RW21
215
TDZE 164



VGSI and descent angles not coincident.

HUNUL



Procedure Turn NA

CATEGORY	A	B	C	D
LNNAV MDA	600-1	436 (500-1)	600-1¼ 436 (500-1¼)	600-1½ 436 (500-1½)
CIRCLING	660-1	496 (500-1)	660-1½ 496 (500-1½)	960-2½ 796 (800-2½)

SOUTH BOSTON FOUR ARRIVAL

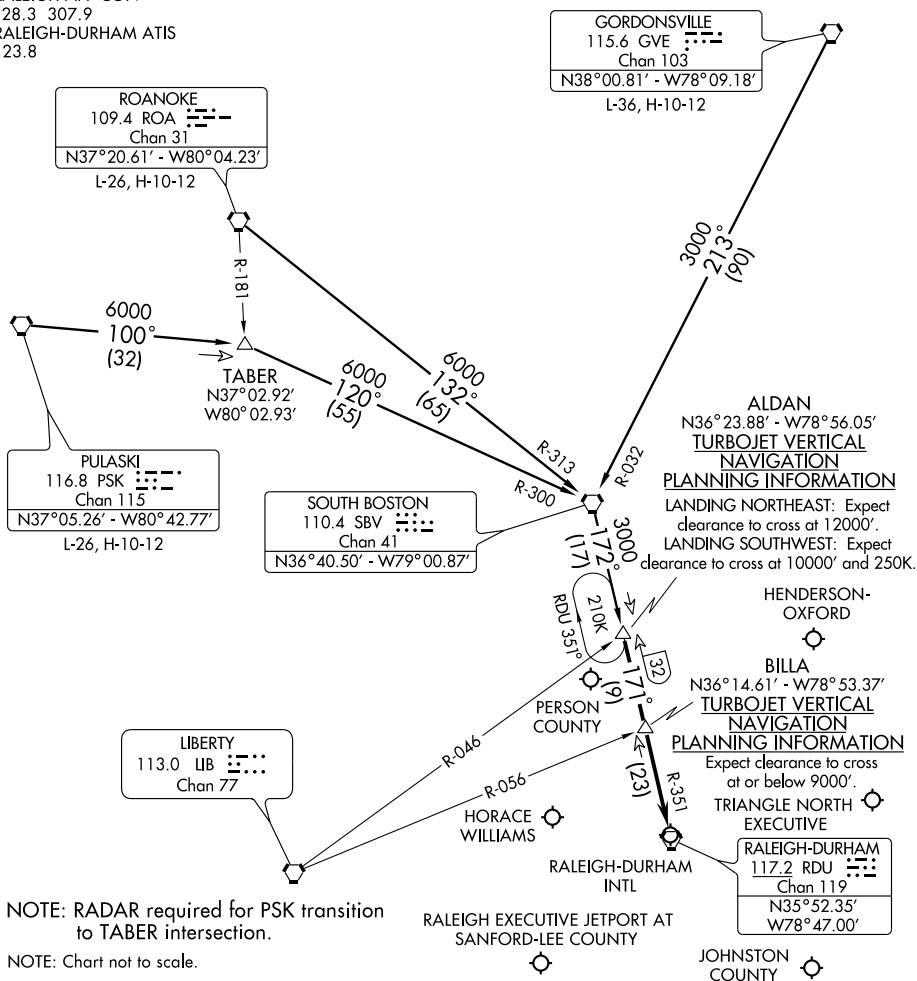
RALEIGH-DURHAM, NORTH CAROLINA

RALEIGH APP CON

128.3 307.9

RALEIGH-DURHAM ATIS

123.8



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

GORDONSVILLE TRANSITION (GVE.SBV4): From over GVE VORTAC via GVE R-213 and SBV R-032 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

PULASKI TRANSITION (PSK.SBV4): From over PSK VORTAC via PSK R-100 and SBV R-300 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

ROANOKE TRANSITION (ROA.SBV4): From over ROA VORTAC via ROA R-132 and SBV R-313 to SBV VORTAC, then via SBV R-172 to ALDAN INT. Thence. . .

. . . . From over ALDAN INT via RDU R-351 to BILLA INT, then via RDU R-351 to RDU VORTAC. For arrival to Raleigh-Durham Intl (RDU), Franklin County (LHZ), Horace Williams (IGX), Johnston County (JNX) and Sanford-Lee County Rgnl (TTA) airports: Expect radar vectors to final approach course after BILLA INT.
For arrival to Henderson-Oxford (HNZ) and Person County (TDF) airports: Expect radar vectors to final approach course after ALDAN INT.

SOUTH BOSTON FOUR ARRIVAL

RALEIGH-DURHAM, NORTH CAROLINA

SOUTHEAST GREENSBORO (See GREENSBORO)**SPRUCE PINE****AVERY CO/MORRISON FLD** (7A8) 4 NE UTC-5(-4DT) N35°56.67' W81°59.74'**CHARLOTTE**2750 S4 **FUEL** 100LL, JET A NOTAM FILE RDU**L-25C****RWY 17-35:** H3000X50 (ASPH) S-12.5**RWY 17:** Building. Rgt tfc.**RWY 35:** Trees.**AIRPORT REMARKS:** Attended Tue-Fri 1400-2200Z, Sat 1600-2300Z, Sun 1800-2300Z. CLOSED on Mon.

Self-svc fueling after hrs with credit card. JET A with additive premixed. FBO svc avbl. Arpt rstd to VFR only. Rwy

35 mountainous terrain above rwy elevation - 6000' from rwy end - 650' above rwy elevation - on centerline.

Rwy 35 has 60' dropoff 200' from thld and 60' dropoff 70' left of centerline. Rwy 17 has 40' dropoff 300' from

thld. Military ops in and around vicinity of arpt. Wildlife in and around vicinity of arpt. Gravel mining ops west of

and adjacent to rwy. High terrain all quadrants, daylight VFR ops only, Rwy 35 uphill grade, Rwy 17 rgt traffic

preferred for takeoff. Rwy 17 preferred for tkfs - Rwy 35 preferred for landings. Arpt phone number

828-766-8187.

COMMUNICATIONS: CTAF/UNICOM 123.0**RADIO AIDS TO NAVIGATION:** NOTAM FILE BNA.**HOLSTON MOUNTAIN (L) VORTAC** 114.6 **HMV** Chan 93 N36°26.22' W82°07.77' 172° 30.2 NM to fld.
4321/04W.**STALS** N35°14.64' W77°41.90' NOTAM FILE ISO.**CHARLOTTE****NDB (LOM)** 276 **IS** 049° 6.8 NM to Kinston Rgnl Jetport At Stallings Fld.**STANLY CO** (See ALBEMARLE)**STAR****MONTGOMERY CO** (43A) 0 NE UTC-5(-4DT) N35°23.08' W79°47.42'**CHARLOTTE**628 B S4 **FUEL** 100LL, JET A NOTAM FILE RDU**L-25E, 36F****RWY 03-21:** H4001X75 (ASPH) S-11.4 **MIRL****RWY 03:** Trees.**RWY 21:** Thld dsplcd 460'. Trees.**AIRPORT REMARKS:** Attended 1300-2200Z. Deer occasionally on rwy. 40' p-line 350'-750' from thld Rwy 21 across
and left of centerline. 20'-25' depressed area 180' S of Rwy 03 thld on centerline. Rwy 03 has uphill grade.**COMMUNICATIONS:** CTAF/UNICOM 122.8**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.**SANDHILLS (L) VORTAC** 111.8 **SDZ** Chan 55 N35°12.93' W79°35.28' 319° 14.2 NM to fld. 590/03W.**STATESVILLE RGNL** (SVH) 3 SW UTC-5(-4DT) N35°45.90' W80°57.23'**CHARLOTTE**968 B S4 **FUEL** 100LL, JET A, JET A1+ **OX 1,3** **TPA**-1768(800)**H-9B, 12H, L-25D**

NOTAM FILE SVH

IAP**RWY 10-28:** H7006X100 (ASPH) S-30, D-100 **HIRL****RWY 10:** REIL. PAPI(P2L)-GA 3.0° TCH 61'. Thld dsplcd 1000'.

Trees.

RWY 28: MALSR. PAPI(P2L)-GA 3.0° TCH 57'. Thld dsplcd 550'.

Trees.

RUNWAY DECLARED DISTANCE INFORMATION**RWY 10:** TORA-7006 TODA-7006 ASDA-6456 LDA-5456**RWY 28:** TORA-7006 TODA-7006 ASDA-6006 LDA-5456**AIRPORT REMARKS:** Attended Mon-Fri 1100-0200Z, Sat-Sun

1300-0200Z. For after hrs svc call (704) 236-3319 or (704)

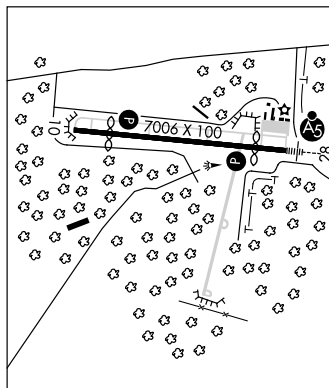
987-8679. Rwy 28 has 100' drop-off 250' right of centerline.

ACTIVATE REIL Rwy 10, MALSR Rwy 28, PAPI Rwy 10 and Rwy

28-CTAF. HIRL Rwy 10-28 preset on med ints dusk-0400Z, to

increase inst ACTIVATE-CTAF. After 0400Z ACTIVATE HIRL Rwy

10-28-CTAF.

WEATHER DATA SOURCES: AWOS-3 119.225 (704) 873-1978.**COMMUNICATIONS:** CTAF/UNICOM 123.075**® ATLANTA CENTER APP/DEP CON** 125.15**RADIO AIDS TO NAVIGATION:** NOTAM FILE RDU.**BARRETT'S MOUNTAIN (L) VOR/DME** 110.8 **BZM** Chan 45 N35°52.13' W81°14.43' 120° 15.3 NM to fld.
1880/06W.**ILS/DME** 111.75 **I-SVH** Chan 54(Y) Rwy 28. LOC unusable byd 15° right of course.**COMM/NAV/WEATHER REMARKS:** AWOS-3 wind unavailable.

LOC/DME I-SVH
111.75
 Chan **54** (Y)

APP CRS
282°

Rwy Idg **5456**
 TDZE **966**
 Apt Elev **968**

ILS or LOC/DME RWY 28

STATESVILLE RGNL (SVH)

▼ If local altimeter setting not received, use Lincoln ton
 ▲ NA altimeter setting and increase all DH/MDAs 60 feet.



MISSED APPROACH: Climb to 1700 then climbing
 left turn to 3400 via heading 080° and CLT R-024
 to PEGTE INT/I-SVH 12.2 DME and hold.

AWOS-3
119.225

ATLANTA CENTER
125.15 263.0

UNICOM
123.075 (CTAF)

BARRETTS MOUNTAIN
 110.8 BZM
 Chan 45

3400 to PEGTE
 113°
 (26.5)

IAF
 GREENSBORO
 116.2 GSO
 Chan 109

3400 NoPT
 247°
 (40.6)

LOCALIZER 111.75
 I-SVH
 Chan 54 (Y)

ELEV 968



282° 5 NM
 from FAF

1040
 7006 X 100
 TDZE 966

1700
 3400
 hdg
 080°

CLT
 R-024

PEGTE
 ▲

VGSI and ILS glidepath not coincident.

HESAB
 I-SVH [6.1]

PEGTE
 I-SVH [12.2]

One Minute
 Holding Pattern

I-SVH [2.1]
 I-SVH [1.2]

2600
 2600

102° →
 ← 282° 3400

GS 3.00°
 TCH 50

CATEGORY	A	B	C	D
S-ILS 28	1166-½ 200 (200-½)			
S-LOC 28	1280-½ 314 (400-½)			1280-¾ 314 (400-¾)
CIRCLING	1420-1 452 (500-1)	1480-1 512 (600-1)	1540-1½ 572 (600-1½)	1540-2 572 (600-2)

REIL Rwy 10
 HIRL Rwy 10-28

APP CRS **102°**
Rwy Idg **5456**
TDZE **965**
Apt Elev **965**

RNAV (GPS) RWY 10

STATESVILLE RGNL (SVH)

▼ If local altimeter setting not received, use Lincolnton altimeter setting and increase all MDAs 60 feet. VDP NA when using Lincolnton altimeter setting. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3500 direct LACIS and via 117° track to OWALT and hold, continue climb-in-hold to 3500.

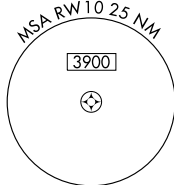
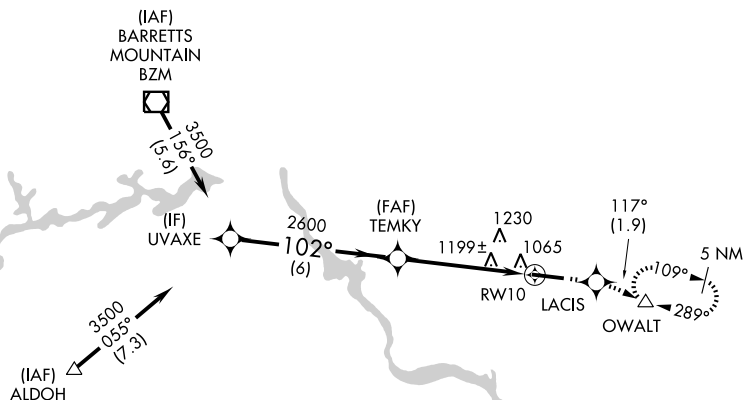
AWOS-3
119.225

ATLANTA CENTER
125.15 263.0

UNICOM
123.075 (CTAF) 0

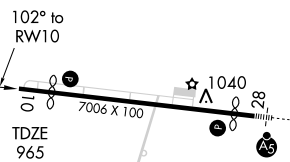
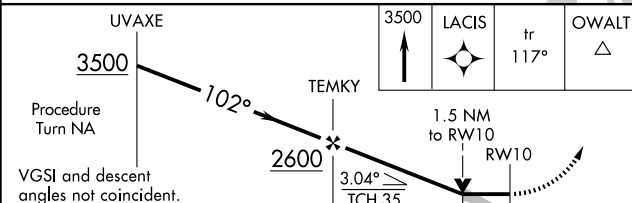
• 2580

Procedure NA for arrivals at BZM
VOR/DME via V259 northwestbound.



ELEV 965

D



CATEGORY	A	B	C	D
RNAV MDA	1460-1	495 (500-1)	1460-1¼ 495 (500-1¼)	1460-1½ 495 (500-1½)
CIRCLING	1460-1 495 (500-1)	1500-1 535 (600-1)	1540-1½ 575 (600-1½)	1540-2 575 (600-2)

REIL Rwy 10 **0**
HIRL Rwy 10-28 **0**

WAAS CH 60903 W28A	APP CRS 282°	Rwy Idg TDZE Apt Elev	5456 966 968
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RNAV (GPS) RWY 28

STATESVILLE RGNL (SVH)

▼ DME/DME RNP-0.3 NA. Baro-VNAV NA below -16°C (4°F). If local altimeter setting not received, use Lincoln ton altimeter setting and increase all DA/MDAs 60 feet. VDP and Baro-VNAV NA when using Lincoln ton altimeter setting. For inoperative MALSR, increase LPV all Cats and LNAV/VNAV Cat D visibilities to 1. Inoperative table does not apply to LNAV Cat D.

MALSR

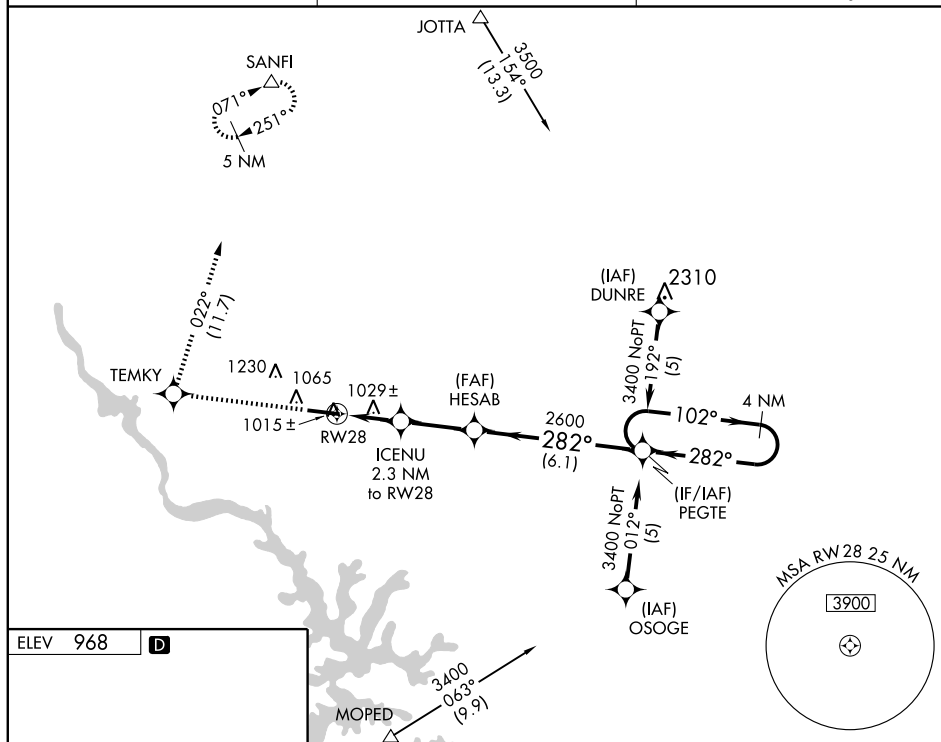


MISSED APPROACH: Climb to 3400 direct TEMKY and right turn via 022° track to SANFI and hold.

AWOS-3
119.225

ATLANTA CENTER
125.15 263.0

UNICOM
123.075 (CTAF) 0



ELEV 968

D

282° to RW28

1040

TDZE 966

3400

TEMKY

SANFI

VGSI and RNAV glidepath
not coincident.

4 NM
Holding Pattern

*LNAV Only

RW28

ICENU 2.3 NM to RW28

HESAB

282°

2600

102°

3400

GS 3.00°

TCH 50

0.9 NM

1.4 NM

2.7 NM

6.1 NM

CATEGORY

A

B

C

D

LPV DA

1216-1/2

250 (300-1/2)

1240-3/4

274 (300-3/4)

LNAV/VNAV DA

1240-1/2

274 (300-1/2)

1280-1

314 (400-1)

LNAV MDA

1280-1/2

314 (400-1/2)

1540-2

572 (600-2)

CIRCLING

1420-1

512 (600-1)

1540-1 1/2

572 (600-1 1/2)

REIL Rwy 10 0

HIRL Rwy 10-28 0

STATESVILLE, NORTH CAROLINA

Amdt 2 10154

35°46'N - 80°57'W

STATESVILLE RGNL (SVH)

RNAV (GPS) RWY 28

VOR/DME BZM
110.8
 Chan **45**

APP CRS
121°

Rwy Idg
 TDZE **965**
 Apt Elev **965**

VOR/DME RWY 10

STATESVILLE RGNL (SVH)

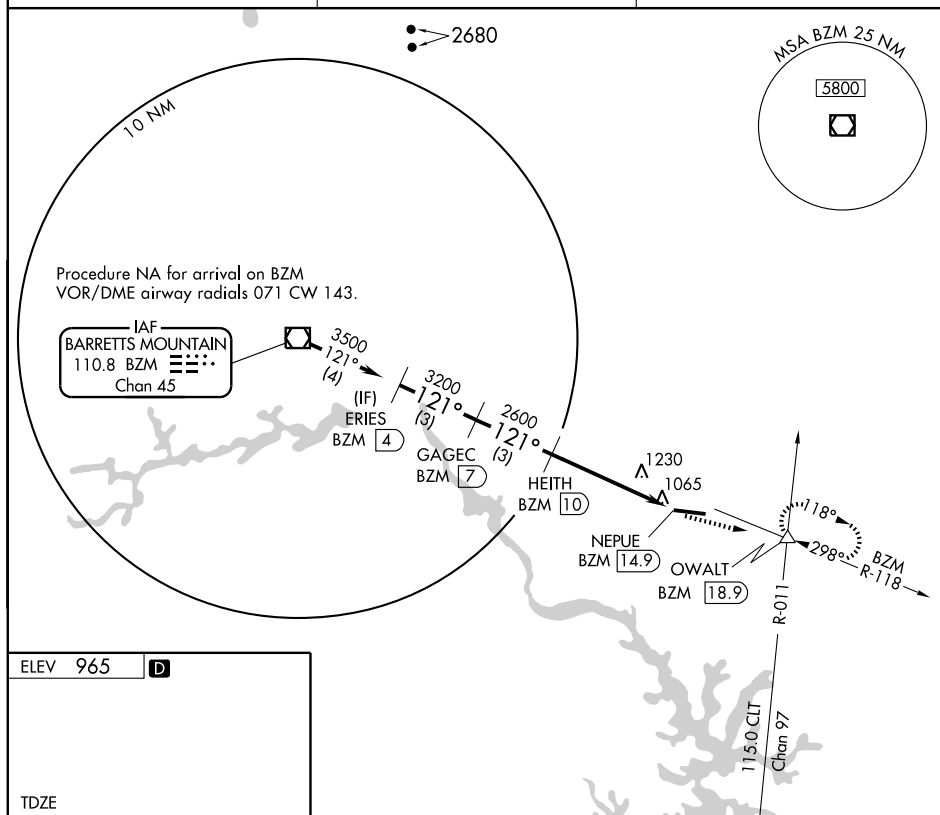
T If local altimeter setting not received, use Lincoln
A altimeter setting and increase all MDAs 60 feet.
 VDP NA when using Lincoln altimeter setting.

MISSED APPROACH: Climb to 3500 via
 BZM VOR/DME R-118 to OWALT INT
 and hold, continue climb-in-hold to 3500.

AWOS-3
119.225

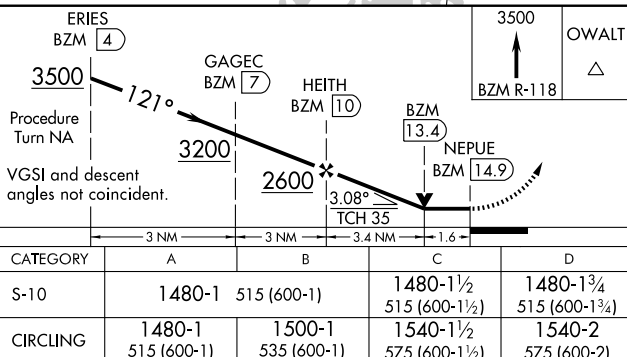
ATLANTA CENTER
125.15 263.0

UNICOM
123.075 (CTAF) **0**



ELEV 965

D



REIL Rwy 10 **0**
 HIRL Rwy 10-28 **0**

STONIA N35°11.48' W81°09.43' NOTAM FILE RDU.

CHARLOTTE

NDB (MHW) 260 GHJ at Gastonia Muni. NDB unmonitored 2330–1130Z during standard time, 2330–1030Z during daylight savings time.

L–25D, 36E

SUGARLOAF MOUNTAIN N35°24.39' W82°16.12' NOTAM FILE RDU.

ATLANTA

(L) VORTAC 112.2 SUG Chan 59 280° 13.5 NM to Asheville Rgnl. 3970/02W.

L–25C

RCO 122.3 122.2 122.1R 112.2T (RALEIGH RADIO)

SUGAR VALLEY (See MOCKSVILLE)

SWAN CREEK (See JONESVILLE)

SYLVA

JACKSON CO (24A) 3 SE UTC–5(–4DT) N35°19.05' W83°12.60'

ATLANTA

2857 B FUEL 100LL TPA–3857(1000) NOTAM FILE RDU

L–25B

RWY 15–33: H3003X50 (ASPH) S–12.5 HIRL

RWY 15: Tree. RWY 33: Trees.

AIRPORT REMARKS: Attended irregularly. For assistance call 828–508–6954. Self-service fuel avbl 24 hrs with credit card. Rwy 15, 300' dropoff 300' from thld both sides and 90' left and right of centerline along rwy. Rwy 33, 300' dropoff 200' from thld 50' left of centerline. Mountain hazard bcn lgts located on mountain range approximately 1.7 miles SSW of arpt. Rwy 33 numbers smaller than standard. ACTIVATE HIRL Rwy 15–33—CTAF.

COMMUNICATIONS: CTAF/UNICOM 123.0

SNOWBIRD (L) VORTAC 108.8 SOT Chan 25 N35°47.41' W83°03.14' 199° 29.4 NM to fld. 4239/04W.

TARBORO–EDGEcombe (ETC) 2 N UTC–5(–4DT) N35°56.24' W77°32.79'

CHARLOTTE

53 B NOTAM FILE RDU

L–35C, 36B

RWY 09–27: H4000X60 (ASPH) MIRL

IAP

RWY 09: PAPI(P2L)—GA 4.0° TCH 28'. Thld dsplcd 200'. Trees.

RWY 27: REIL, PAPI(P2L)—GA 3.0° TCH 38'. Trees.

AIRPORT REMARKS: Unattended. Deer on and invof arpt. 500' low level route 3 miles NE of arpt—be alert for military acft invof arpt. ACTIVATE MIRL Rwy 09–27, REIL Rwy 27 and PAPI Rwy 09 and Rwy 27—CTAF.

COMMUNICATIONS: CTAF 122.9

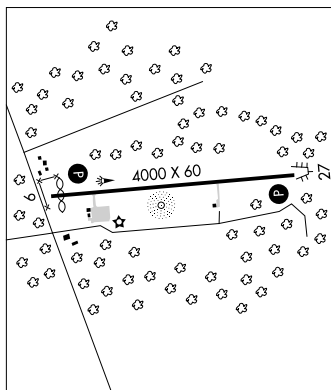
WASHINGTON CENTER APP/DEP CON 118.475

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

TAR RIVER (L) VORTAC 117.8 TYI Chan 125 N35°58.61'

W77°42.23' 112° 8.0 NM to fld. 70/05W.

NDB (MHW) 257 ETC N35°56.13' W77°32.78' at fld.



TAR RIVER N35°58.61' W77°42.23' NOTAM FILE RDU.

CHARLOTTE

(L) VORTAC 117.8 TYI Chan 125 237° 11.7 NM to Rocky Mt–Wilson Rgnl. 70/05W

H–9C, 12H, L–35C, 36G

RCO 122.1R 117.8T (RALEIGH RADIO)

TAWBA N35°47.19' W81°18.32' NOTAM FILE HKY.

CHARLOTTE

NDB (MHW) 332 HK 243° 4.9 NM to Hickory Rgnl.

L–25D

TRIANGLE NORTH EXECUTIVE (See LOUISBURG)

NDB ETC 257	APP CRS 264°	Rwy Idg TDZE Apt Elev	4000 50 53
-----------------------	------------------------	-----------------------------	---------------------------------------

NDB RWY 27

TARBORO-EDGECOMBE (ETC)

V Use Rocky Mount altimeter setting; when not received,
Δ NA use Raleigh-Durham altimeter setting minimums.

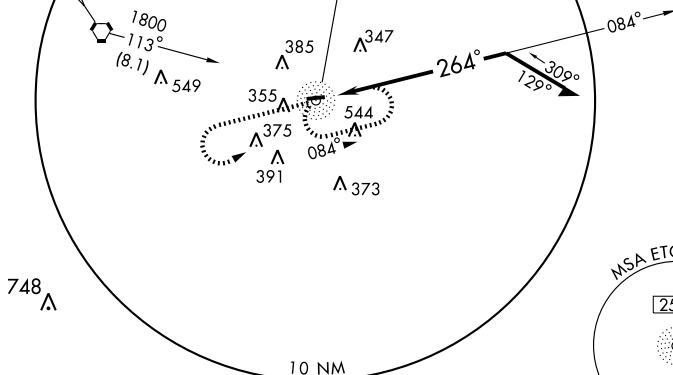
MISSED APPROACH: Climb to 1200 then climbing
left turn to 1800 direct ETC NDB and hold.

WASHINGTON CENTER
118.475 279.65

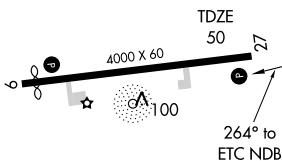
CTAF
122.9 0

TAR RIVER
117.8 TYI ---
Chan 125

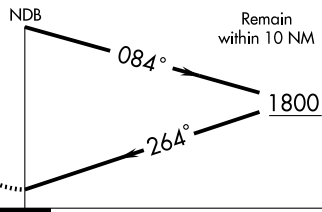
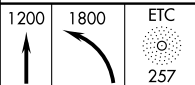
IAF
TARBORO
257 ETC ---



ELEV 53 Rwy 9 Idg 3800'



REIL Rwy 27 **0**
MIRL Rwy 9-27 **0**



CATEGORY	A	B	C	D
S-27	760-1	710 (800-1)	760-2 710 (800-2)	760-2 1/4 710 (800-2 1/4)
CIRCLING	760-1	707 (800-1)	760-2 707 (800-2)	920-2 3/4 867 (900-2 3/4)
RALEIGH-DURHAM ALTIMETER SETTING MINIMUMS				
S-27	980-1 1/4	930 (1000-1 1/4)	980-2 3/4 930 (1000-2 3/4)	980-3 930 (1000-3)
CIRCLING	980-1 1/4	927 (1000-1 1/4)	980-2 3/4 927 (1000-2 3/4)	1140-3 1087 (1100-3)

VORTAC TYI
117.8
Chan 125

APP CRS
291°

Rwy Idg	4000
TDZE	50
Apt Elev	53

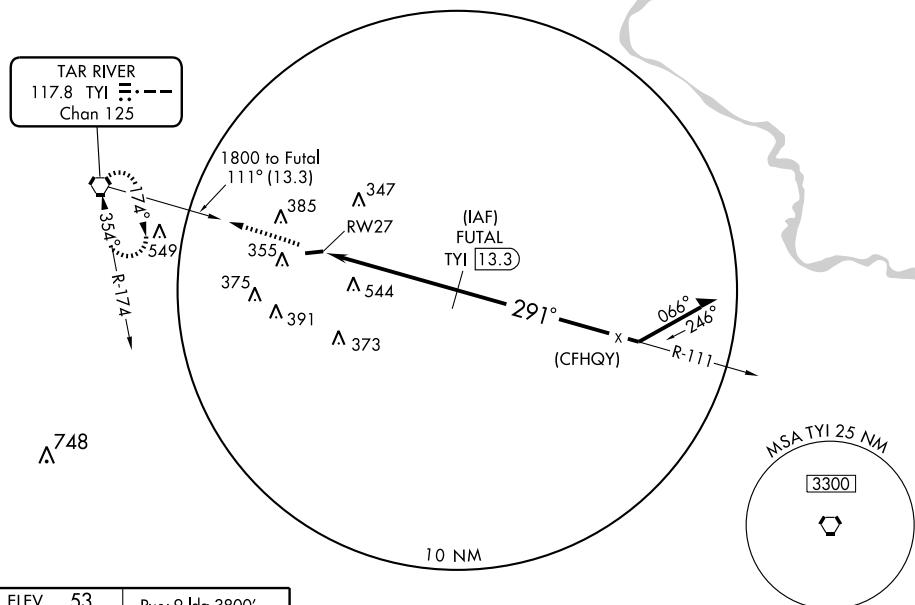
VOR/DME or GPS RWY 27
TARBORO-EDGECOMBE (ETC)

TARBORO-EDGECOMBE (ETC)

T Use Rocky Mount altimeter setting; when not received
A NA use Raleigh-Durham altimeter setting minimums.

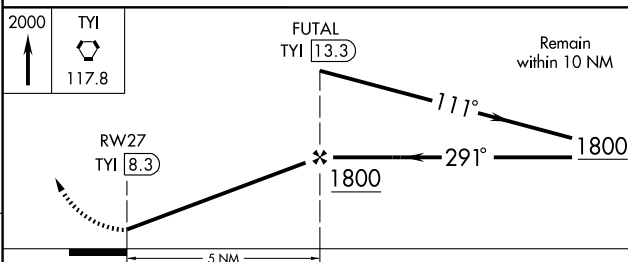
MISSED APPROACH: Climb to 2000
direct TYI VORTAC and hold.

WASHINGTON CENTER
118,475 279.65

CTAF
122.9 

ELEV 53

Rwy 9 lđg 3800'

REIL Rwy 27 **L**MIRL Rwy 9-27 **L**

CATEGORY	A	B	C	D
S-27	860-1 810 (900-1)	860-1¼ 810 (900-1¼)	860-2¼ 810 (900-2¼)	860-2½ 810 (900-2½)
CIRCLING	860-1 807 (900-1)	860-1¼ 807 (900-1¼)	860-2¼ 807 (900-2¼)	920-2¾ 867 (900-2¾)
RALEIGH-DURHAM ALTIMETER SETTING MINIMUMS				
S-27	1080-1¼ 1030 (1100-1¼)	1080-1½ 1030 (1100-1½)	1080-3	1030 (1100-3)
CIRCLING	1080-1¼ 1027 (1100-1¼)	1080-1½ 1027 (1100-1½)	1080-3 1027 (1100-3)	1140-3 1087 (1100-3)

TARBORO, NORTH CAROLINA

Amdt 1 09295

TARBORO-EDGECOMBE (ETC)

35°56'N-77°33'W

VOR/DME or GPS RWY 27

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

THOMASVILLE

HIATT (N97) 3 SW UTC-5(-4DT) N35°49.81' W80°06.45'

CHARLOTTE

855 B S4 **FUEL** 100LL NOTAM FILE RDU

RWY 01-19: 2500X75 (TURF) LIRL

RWY 01: Trees. **RWY 19:** TRCV (TRIL)—GA 3.2° TCH 25'. Trees.

RWY 09-27: 1160X50 (TURF)

RWY 09: Trees. **RWY 27:** Trees.

AIRPORT REMARKS: Attended 1700Z±-dusk. For fuel call 336-881-0248. Rwy 27 has +4' fence and +30' trees 30' from thld and 12' building 70' from thld on extended centerline. Rwy 09-27 used primarily for ultralights. Rwy 27 uphill marked with yellow cones. Rwy 19 preferred for ldg uphill; rwy and thlds marked with yellow cones. Actf monitor 122.9. ACTIVATE LIRL Rwy 01-19 and TRIL Rwy 19—CTAF.

COMMUNICATIONS: CTAF 122.9

TRI-COUNTY (See AHOSKIE)

TRIPLE W (See RALEIGH)

TRYON N35°09.49' W81°01.24' NOTAM FILE CLT.

CHARLOTTE

NDB (LOM) 242 CL 056° 5.1 NM to Charlotte/Douglas Intl.

TWIN LAKES (See MOCKSVILLE)

US HELIPORT (See WINGATE)

WADESBORO

ANSON CO-JEFF CLOUD FLD (AFP) 3 N UTC-5(-4DT) N35°01.24' W80°04.63'

CHARLOTTE

300 B **FUEL** 100LL, JET A1+ NOTAM FILE RDU

H-9B, 12H, L-25E, 36E

RWY 16-34: H5498X100 (ASPH) S-12, D-60 MIRL

IAP

RWY 16: REIL. PAPI(P2L)—GA 3.0° TCH 30'. Trees.

RWY 34: REIL. PAPI(P2L)—GA 3.0° TCH 29'. Trees.

AIRPORT REMARKS: Attended Mon-Fri 1300-2200Z±. For after hrs svc call 704-848-4612. 100LL fuel-24 hr self-svc avbl with credit card. Deer in vicinity of arpt. Rwy 34 +6' hill from rwy end and 216' right of rwy centerline. Rwy 16-34 used for both aeronautical tow and auto launch for gliders. ACTIVATE MIRL Rwy 16-34, PAPI Rwy 16 and Rwy 34, and REIL Rwy 16 and Rwy 34—CTAF.

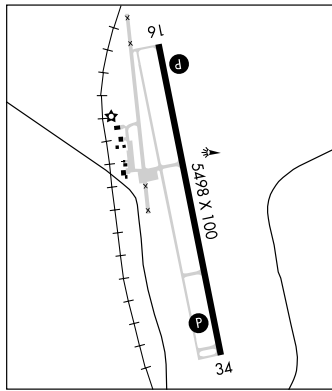
WEATHER DATA SOURCES: AWOS-3 119.325. (704) 695-0623.

COMMUNICATIONS: CTAF/UNICOM 122.8

(R) CHARLOTTE APP/DEP CON 120.05

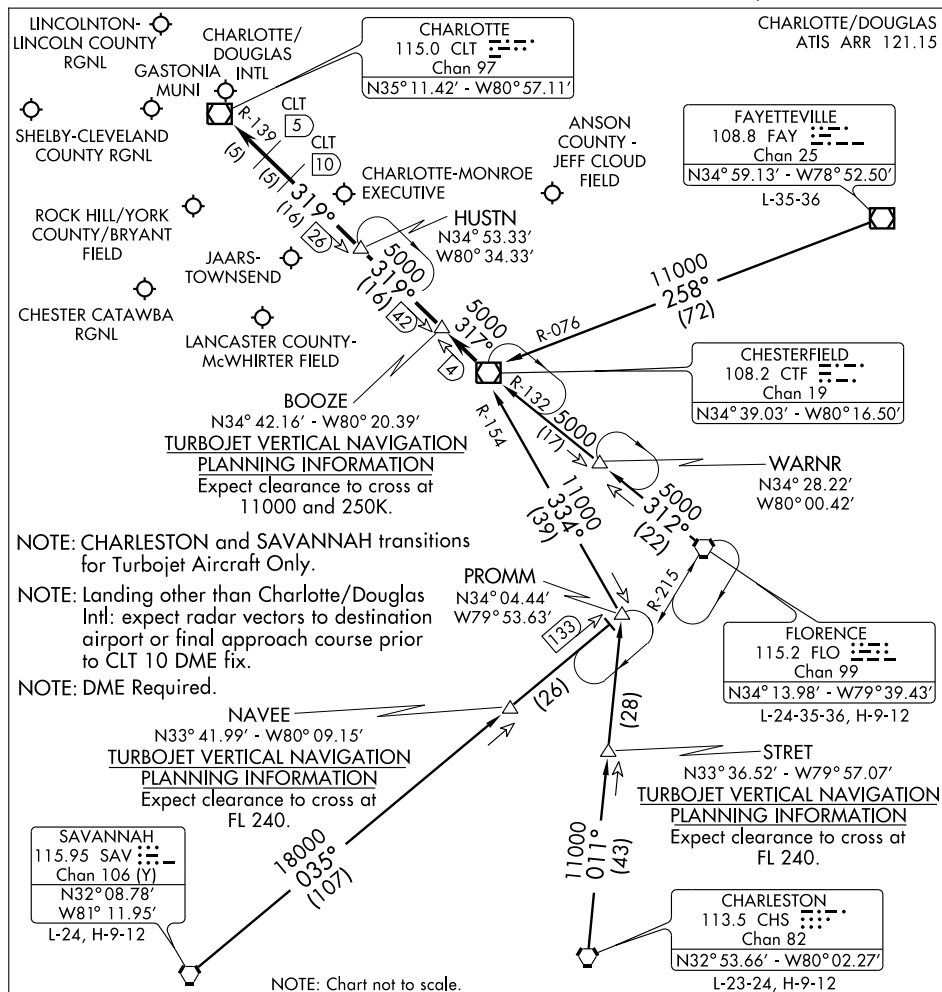
RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

SANDHILLS (L) VORTAC 111.8 SDZ Chan 55 N35°12.93' W79°35.28' 247° 26.8 NM to fld. 590/03W.



CHESTERFIELD THREE ARRIVAL

CHARLOTTE, NORTH CAROLINA



CHARLESTON TRANSITION (CHS.CTF3): From over CHS VORTAC via CHS R-011 to PROMM INT then via CTF R-154 to CTF VOR/DME. Thence....

FAYETTEVILLE TRANSITION (FAY.CTF3): From over FAY VOR/DME via FAY R-258 and CTF R-076 to CTF VOR/DME. Thence....

FLORENCE TRANSITION (FLO.CTF3): From over FLO VORTAC via FLO R-312 and CTF R-132 to CTF VOR/DME. Thence....

SAVANNAH TRANSITION (SAV.CTF3): From over SAV VORTAC via SAV R-035 to PROMM INT then via CTF R-154 to CTF VOR/DME. Thence....

...From over CTF VOR/DME via CTF R-317 to BOOZE, then via CLT R-139 to:

(LANDING NORTH) HUSTN INT: Expect radar vectors to final approach course.

(LANDING SOUTH) CLT VOR/DME: Expect radar vectors to final approach course prior to CLT 5 DME fix.

CHESTERFIELD THREE ARRIVAL

CHARLOTTE, NORTH CAROLINA

MAJIC ONE ARRIVAL

CHARLOTTE, NORTH CAROLINA

CHARLOTTE/DOUGLAS
 ATIS ARR 121.15
 CHARLOTTE APP CON
 (001° -119°) **128.32**
 (120° -245°) **120.05**
 (246° -360°) **134.75**
 (180° -359°) **257.2**
 (360° -179°) **307.8**

ROANOKE
 109.4 ROA
 Chan 31
 N37°20.61' - W80°04.23'
 L-26, H-10-12

MAYOS
 N36°19.59' - W79°59.79'
TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
 Expect to cross at FL220.

MAJIC
 N35°48.71' - W80°26.17'
TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
 Expect to cross at 13,000'/250K.

LYNCHBURG
 109.2 LYH
 Chan 29
 N37°15.28' - W79°14.19'
 L-26-36, H-10-12

KELLS
 N36°35.17' - W79°47.17'

RALEIGH/DURHAM
 117.2 RDU
 Chan 119
 N35°52.35' - W78°47.00'
 L-36, H-9-12

SUDSY
 N35°44.58' - W80°29.63'

LINCOLNTON-
 LINCOLN COUNTY
 RGNL

SHELBY-
 CLEVELAND
 COUNTY RGNL

GASTONIA
 MUNI

ROCK HILL/YORK
 COUNTY/BRYANT
 FIELD

CHESTER CATAWBA
 RGNL

NOTE: Chart not to scale.

CLT
 10

CHARLOTTE
 DOUGLAS
 INTL

CLT
 5

CHARLOTTE
 115.0 CLT
 Chan 97
 N35°11.42' - W80°57.11'

CHARLOTTE-MONROE
 EXECUTIVE

JAARS-
 TOWNSEND

LANCASTER COUNTY-
 McWHIRTER FIELD

GIZMO
 N35°32.99' - W80°39.29'

ANSON COUNTY -
 JEFF CLOUD
 FIELD

LIBERTY
 113.0 LIB
 Chan 77
 N35°48.70' - W79°36.76'

NOTE: DME required.
 NOTE: RADAR required for LIB R-273.
 NOTE: Landing other than Charlotte/
 Douglas Intl; expect radar
 vectors to destination airport
 or final approach course prior
 to CLT 10 DME fix.

LIBERTY TRANSITION (LIB.MAJIC1): From over LIB VORTAC via LIB R-273
 to MAJIC INT. Thence. . .

LYNCHBURG TRANSITION (LYH.MAJIC1): From over LYH VORTAC via LYH R-219
 and CLT R-039 to MAJIC INT. Thence. . .

ROANOKE TRANSITION (ROA.MAJIC1): From over ROA VORTAC via ROA R-181
 and CLT R-039 to MAJIC INT. Thence. . .

. . . .From over MAJIC via CLT R-039 to:

LANDING NORTH: CLT VOR/DME. Expect radar vectors to final approach course prior
 to the CLT 5 DME fix.

LANDING SOUTH: GIZMO. Expect radar vectors to final approach course.

MAJIC ONE ARRIVAL

CHARLOTTE, NORTH CAROLINA

RNAV (GPS) RWY 16

WADESBORO/ANSON COUNTY-JEFF CLOUD FIELD (A/P)

APP CRS
162°

Rwy Idg **5498**
TDZE **300**
Apt Elev **300**

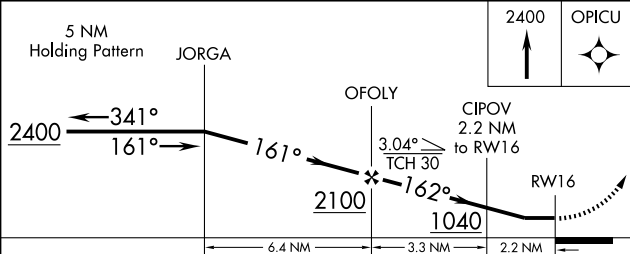
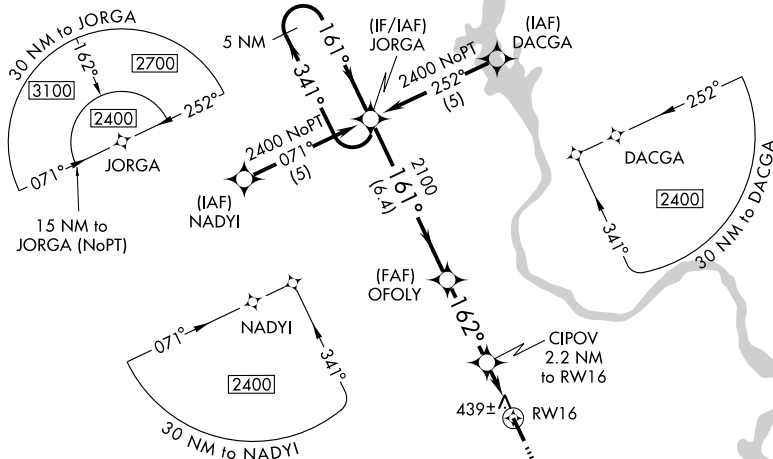
When VGSI inoperative, procedure NA at night. DME/DME RNP-0.3 NA.
Visibility reduction by helicopters NA. When local altimeter setting not received, use Rockingham altimeter setting and increase all MDA 60 feet, LNAV Cat. C and D, and circling Cat. C visibility ¼ mile.

MISSED APPROACH: Climb to 2400 direct OPICU WP and hold.

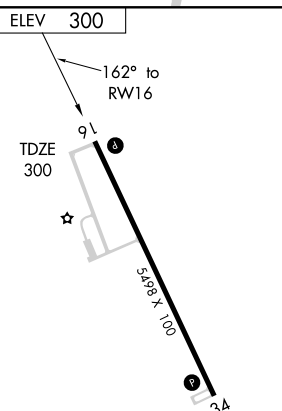
AWOS-3
119.325

CHARLOTTE APP CON
120.05 307.8

UNICOM
122.8 (CTAF) 0



CATEGORY	A	B	C	D
S-16 MDA	700-1 400 (400-1)			700-1¼ 400 (400-1¼)
CIRCLING	740-1 440 (500-1)	860-1 560 (600-1)	880-1½ 580 (600-1½)	920-2 620 (700-2)



MIRL Rwy 16-34 0
REIL Rwy 16 and 34 0

WAAS
CH **69408**
W34A

APP CRS
342°

Rwy Idg
TDZE **299**
Apt Elev **300**

RNAV (GPS) RWY 34

WADESBORO/ANSON COUNTY-JEFF CLOUD FIELD (A/P)

When local altimeter setting not received, use Rockingham altimeter setting and increase DA to 712 and all MDA 60 feet, LPV visibility ¼ mile all Cats., LNAV and Circling Cat. C and D visibility ¼ mile. When VGSi inop, procedure NA at night. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 2400 direct JORGA and hold.

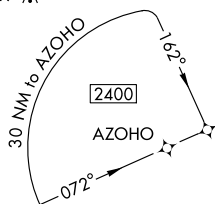
AWOS-3
119.325

CHARLOTTE APP CON
120.05 307.8

UNICOM
122.8 (CTAF) 0

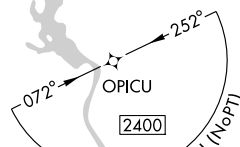
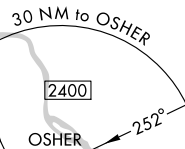


1049 Δ

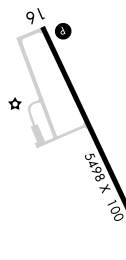


1022 Δ

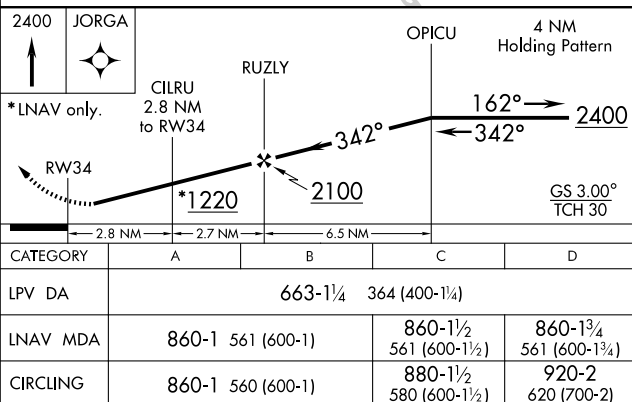
RW34
606 Δ
732 Δ
806 Δ
609 ±
CILRU 2.8 NM to RW34
(FAF) RUZLY



ELEV 300



MIRL Rwy 16-34 0
REIL Rwy 16 and 34 0



WADESBORO, NORTH CAROLINA

Amdt 1 10266

WADESBORO/ANSON COUNTY-JEFF CLOUD FIELD (A/P)

35°01'N - 80°05'W

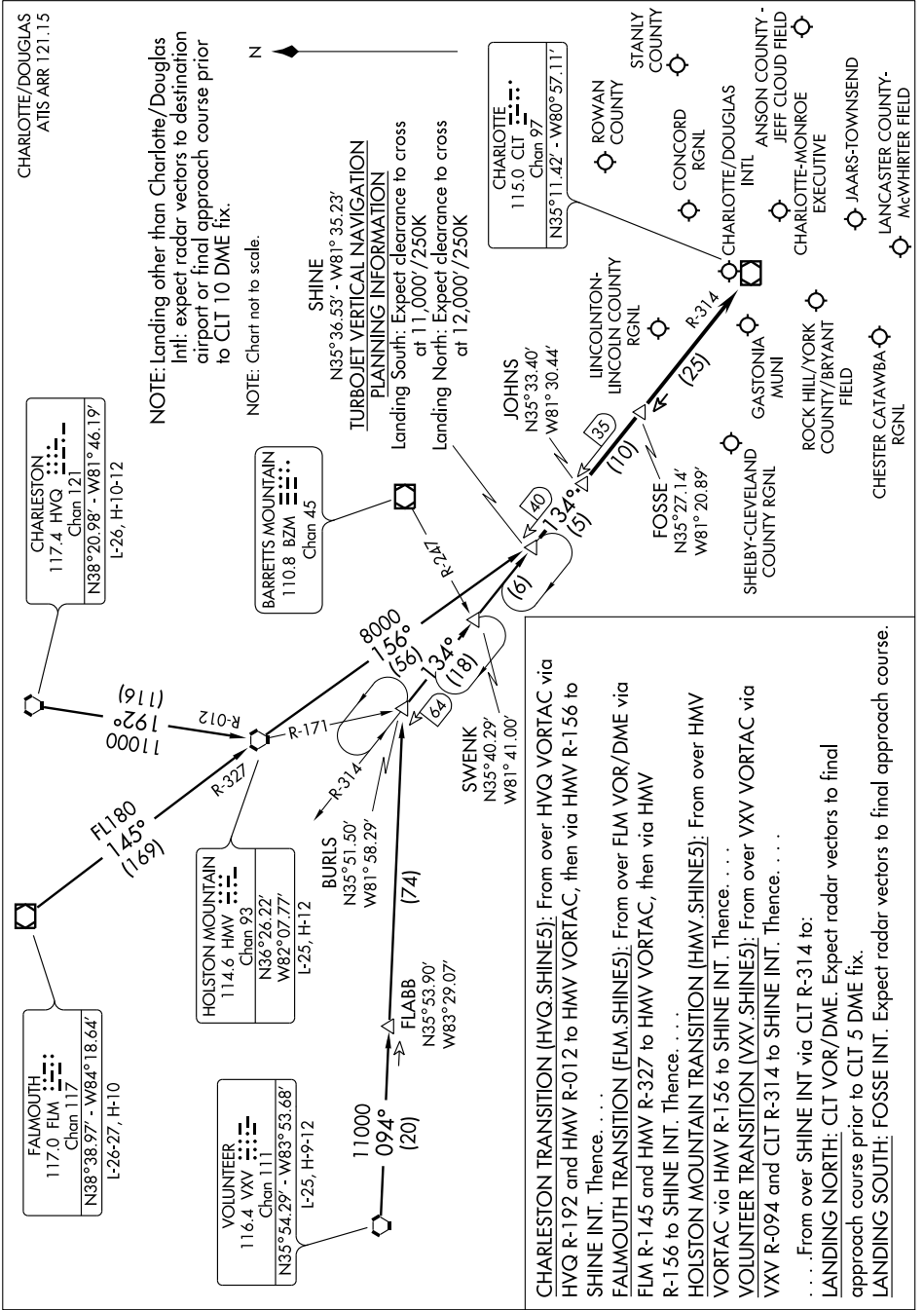
RNAV (GPS) RWY 34

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

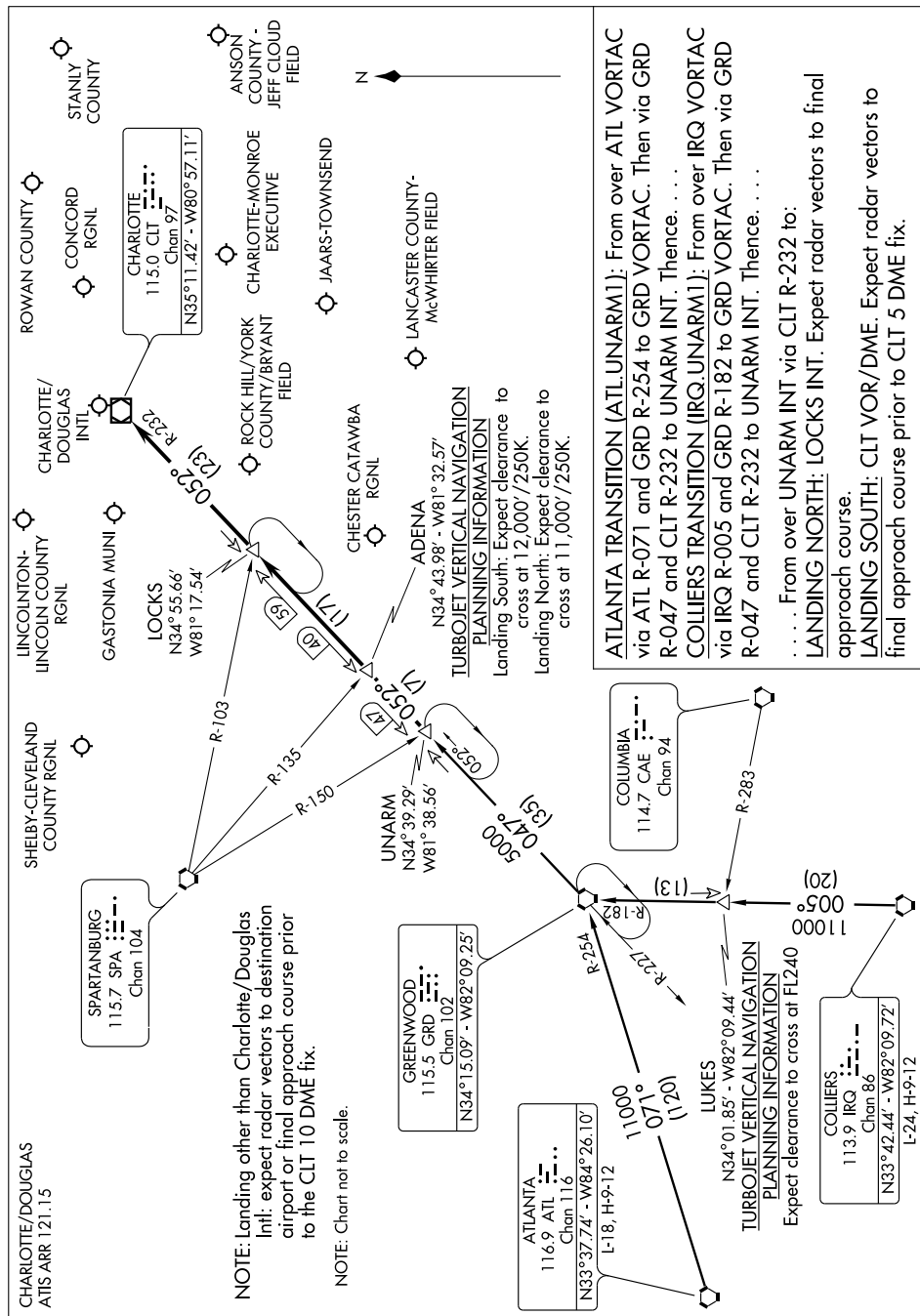
SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA



SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA



WALLACE

HENDERSON FLD (ACZ) 1 SW UTC-5(-4DT) N34°43.07' W78°00.22'

CHARLOTTE

39 B S4 FUEL 100LL, JET A1+ NOTAM FILE RDU

L-35B

RWY 09-27: H3998X75 (ASPH) S-12.5 MIRL

IAP

RWY 09: Thld dsplcd 149'. Trees.

RWY 27: PAPI(P2L)—GA 3.45' TCH 43'. Thld dsplcd 151'. Trees.

AIRPORT REMARKS: Attended Mon-Fri 1300-2200Z†, Sat 1400-2300Z† and Sun 1800-2300Z†. 24 hr self svc fuel with credit card. 24 hr access to pilots' lounge—door code on fuel receipt. Parachute Jumping. PAPI Rwy 27 opr continuously.

COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ WILMINGTON APP/DEP CON 135.75 (1100-0400Z‡)

Ⓡ WASHINGTON CENTER APP/DEP CON 124.025 (0400-1100Z‡)

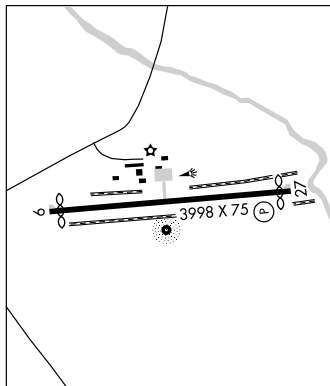
RADIO AIDS TO NAVIGATION: NOTAM FILE ISO.

KINSTON (L) VORTAC 109.6 ISO Chan 33 N35°22.26'

W77°33.50' 214° 44.9 NM to fld. 106/05W.

PENDY NDB (MHW) 379 ACZ N34°42.98' W78°00.22' at fld.

NOTAM FILE RDU.



WALNUT COVE

MEADOW BROOK FLD (N63) 1 NW UTC-5(-4DT) N36°18.09' W80°08.90'

CINCINNATI

631 S4 FUEL 100LL NOTAM FILE RDU

L-25D, 36F

RWY 16-34: H2725X30 (ASPH) LIRL (NSTD)

IAP

RWY 16: Trees.

RWY 34: Trees.

AIRPORT REMARKS: Attended irregularly. Arpt CLOSED to transients except PPR—336-403-1796. High terrain all quadrants. +8' dropoff AER 16. Fencing in the clear zone Rwy 16 and Rwy 34. Do not land on grass adjacent to rwy—deep ditches. No transient stopping tfc—will allow touch and go. Rwy 16-34 NSTD LIRL; lgts 30' either side of asph along old turf rwy. NSTD thld lgts with green, red, clear and BI-Directional lens. 3 thld lgts with blue lens. +50' trees within 125' of centerline on west side of rwy. +65' trees within 110' of centerline east of rwy. ACTIVATE LIRL Rwy 16-34—CTAF.

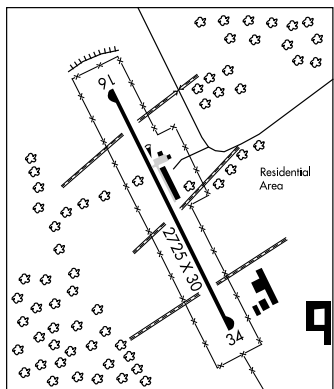
COMMUNICATIONS: CTAF/UNICOM 123.0

Ⓡ GREENSBORO APP/DEP CON 124.35

RADIO AIDS TO NAVIGATION: NOTAM FILE GSO.

GREENSBORO (H) VORTAC 116.2 GSO Chan 109 N36°02.74'

W79°58.58' 334°17.5 NM to fld. 879/03W



WARF (See REIDSVILLE)

WARREN FLD (See WASHINGTON)

APP CRS	Rwy Idg	3849
094°	TDZE	39
	Apt Elev	39

GPS RWY 9

WALLACE/ HENDERSON FIELD (ACZ)

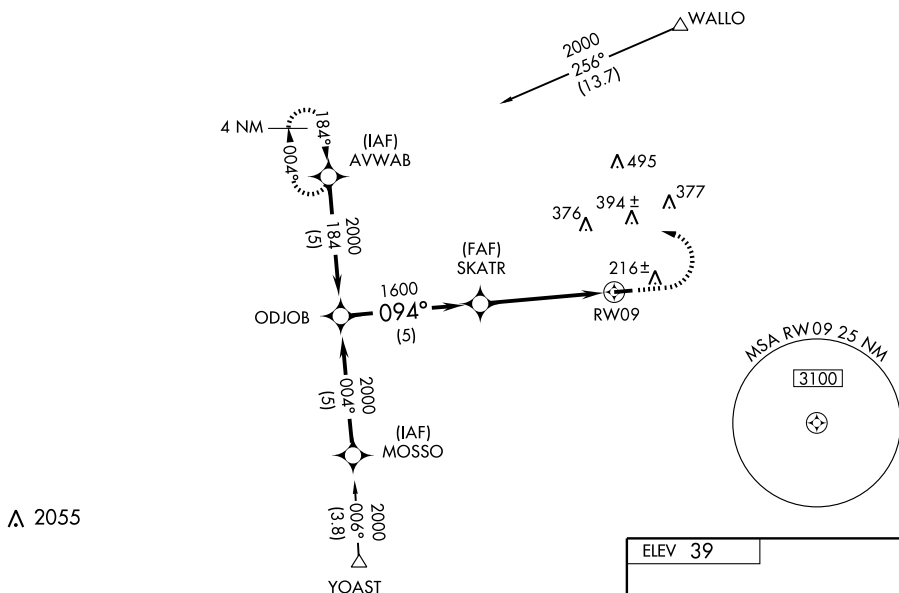


Use Wilmington altimeter setting.

MISSED APPROACH: Climb to 1000 then climbing left turn to 2000 direct AVWAB WP and hold.

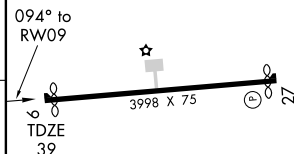
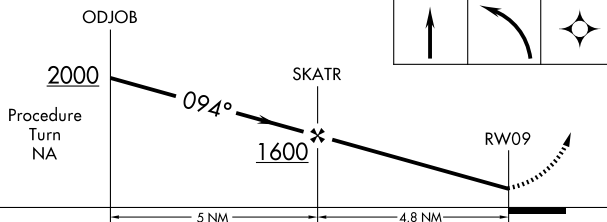
WILMINGTON APP CON ★
135.75 317.425 (344°-163°)

UNICOM
122.8 (CTAF)



△ 2055

ELEV 39



CATEGORY	A	B	C	D
S-9	500-1 461 (500-1)		500-1½ 461 (500-1¼)	500-1½ 461 (500-1½)
CIRCLING	640-1 601 (700-1)		640-1¾ 601 (700-1¾)	780-2½ 741 (800-2½)

MIRL Rwy 9-27

APP CRS 274°	Rwy Idg TDZE Apt Elev	3847 37 39
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GPS RWY 27

WALLACE/ HENDERSON FIELD (ACZ)



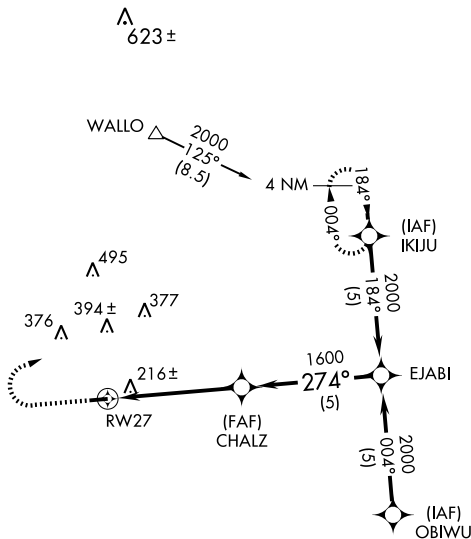
NA

Use Wilmington altimeter setting.

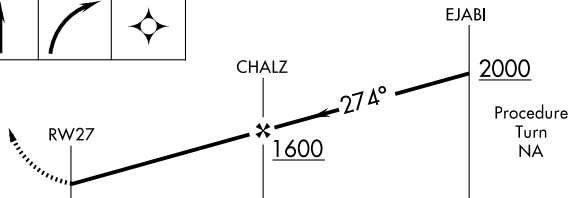
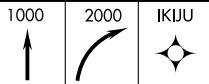
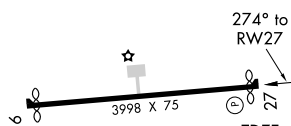
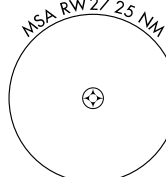
MISSED APPROACH: Climb to 1000 then climbing right turn to 2000 direct IKIJU WP and hold.

WILMINGTON APP CON ★
135.75 317.425 (344°-163°)

UNICOM
122.8 (CTAF)



ELEV 39

WILMINGTON
ILM

CATEGORY	A	B	C	D
S-27	580-1 543 (600-1)		580-1½ 543 (600-1½)	580-1¾ 543 (600-1¾)
CIRCLING	640-1 601 (700-1)		640-1¾ 601 (700-1¾)	780-2½ 741 (800-2½)

MIRL Rwy 9-27

WALLACE, NORTH CAROLINA

Orig 10210

34°43'N - 78°00'W

WALLACE/ HENDERSON FIELD (ACZ)

GPS RWY 27

SE-2, 21 OCT 2010 to 18 NOV 2010

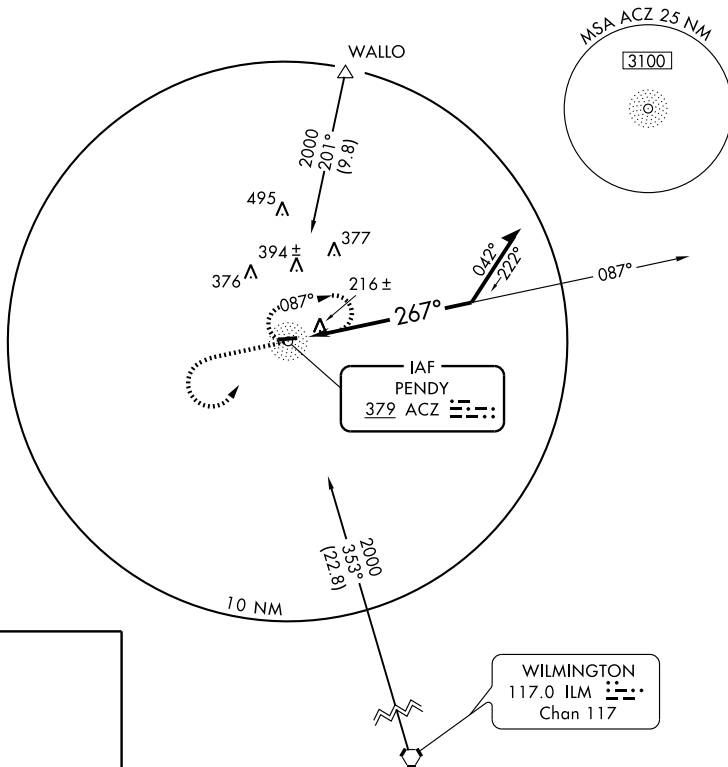
NDB ACZ 379	APP CRS 267°	Rwy Idg TDZE Apt Elev	3847 37 39
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NDB RWY 27

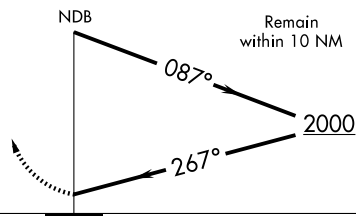
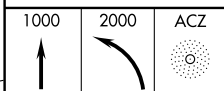
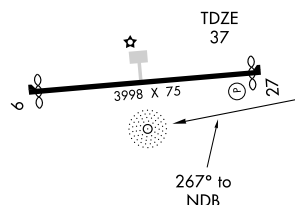
WALLACE/ HENDERSON FIELD (ACZ)

 Use Wilmington altimeter setting.	MISSED APPROACH: Climb to 1000 then climbing left turn to 2000 direct ACZ NDB and hold.
WILMINGTON APP CON ★ 135.75 317.425 (344°-163°)	UNICOM 122.8 (CTAF)

Λ 748



ELEV 39



CATEGORY	A	B	C	D
S-27	680-1 643 (700-1)		680-1¾ 643 (700-1¾)	680-2 643 (700-2)
CIRCLING	680-1 641 (700-1)		680-1¾ 641 (700-1¾)	780-2½ 741 (800-2½)

MIRL Rwy 9-27

NDB RWY 27

WALLACE

HENDERSON FLD (ACZ) 1 SW UTC-5(-4DT) N34°43.07' W78°00.22'

CHARLOTTE

39 B S4 FUEL 100LL, JET A1+ NOTAM FILE RDU

L-35B

RWY 09-27: H3998X75 (ASPH) S-12.5 MIRL

IAP

RWY 09: Thld dspcd 149'. Trees.

RWY 27: PAPI(P2L)—GA 3.45' TCH 43'. Thld dspcd 151'. Trees.

AIRPORT REMARKS: Attended Mon-Fri 1300-2200Z†, Sat 1400-2300Z† and Sun 1800-2300Z†. 24 hr self svc fuel with credit card. 24 hr access to pilots' lounge—door code on fuel receipt. Parachute Jumping. PAPI Rwy 27 opr continuously.

COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ WILMINGTON APP/DEP CON 135.75 (1100-0400Z‡)

Ⓡ WASHINGTON CENTER APP/DEP CON 124.025 (0400-1100Z‡)

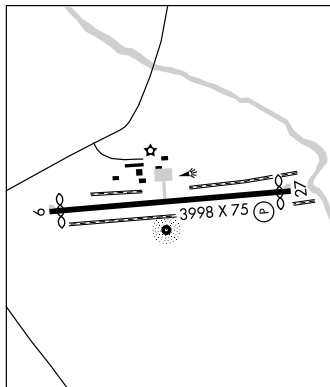
RADIO AIDS TO NAVIGATION: NOTAM FILE ISO.

KINSTON (L) VORTAC 109.6 ISO Chan 33 N35°22.26'

W77°33.50' 214° 44.9 NM to fld. 106/05W.

PENDY NDB (MHW) 379 ACZ N34°42.98' W78°00.22' at fld.

NOTAM FILE RDU.



WALNUT COVE

MEADOW BROOK FLD (N63) 1 NW UTC-5(-4DT) N36°18.09' W80°08.90'

CINCINNATI

631 S4 FUEL 100LL NOTAM FILE RDU

L-25D, 36F

RWY 16-34: H2725X30 (ASPH) LIRL (NSTD)

IAP

RWY 16: Trees. RWY 34: Trees.

AIRPORT REMARKS: Attended irregularly. Arpt CLOSED to transients except PPR—336-403-1796. High terrain all quadrants. +8' dropoff AER 16. Fencing in the clear zone Rwy 16 and Rwy 34. Do not land on grass adjacent to rwy—deep ditches. No transient stopping tfc—will allow touch and go. Rwy 16-34 NSTD LIRL; lgts 30' either side of asph along old turf rwy. NSTD thld lgts with green, red, clear and BI-Directional lens. 3 thld lgts with blue lens. +50' trees within 125' of centerline on west side of rwy. +65' trees within 110' of centerline east of rwy. ACTIVATE LIRL Rwy 16-34—CTAF.

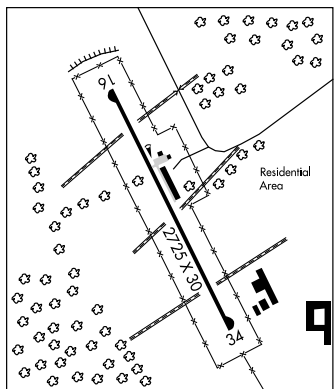
COMMUNICATIONS: CTAF/UNICOM 123.0

Ⓡ GREENSBORO APP/DEP CON 124.35

RADIO AIDS TO NAVIGATION: NOTAM FILE GSO.

GREENSBORO (H) VORTAC 116.2 GSO Chan 109 N36°02.74'

W79°58.58' 334°17.5 NM to fld. 879/03W




WARF (See REIDSVILLE)

WARREN FLD (See WASHINGTON)

VORTAC GSO 116.2 Chn 109	APP CRS 334°	Rwy Idg 2725 TDZE 631 Apt Elev 631
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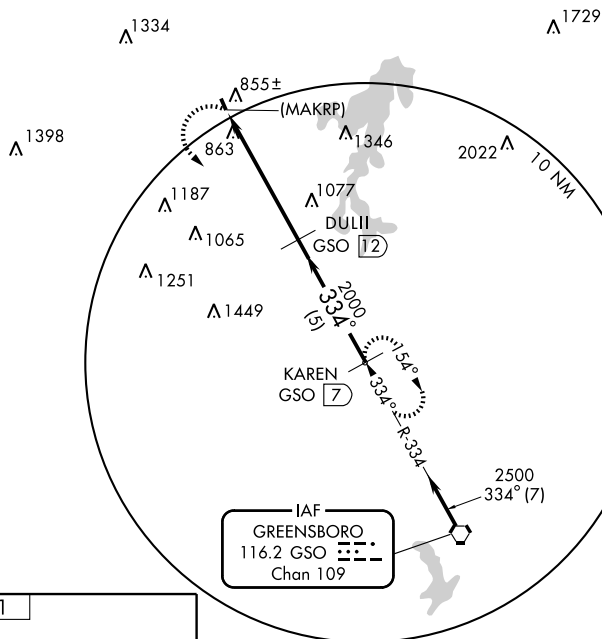
VOR/DME or GPS RWY 34
WALNUT COVE/MEADOW BROOK FIELD (N63)

 Use Smith Reynolds altimeter setting, when not available, use Greensboro altimeter setting and increase all MDAs 20 feet. Procedure NA at night.

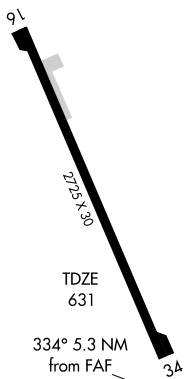
MISSED APPROACH: Climbing left turn to 2500
via GSO R-334 to KAREN GSO 7 DME and hold.

GREENSBORO APP CON
124.35 269.225

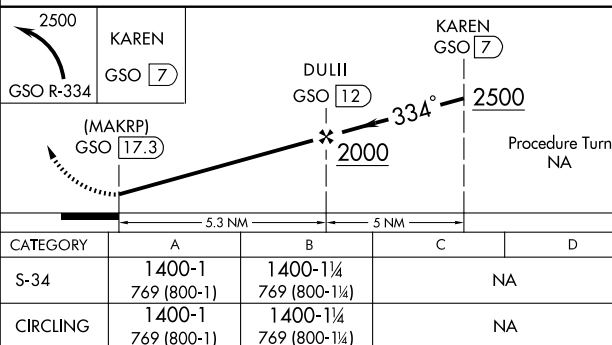
UNICOM
123.0 (CTAF) **L**

^Δ 3089

ELEV 631

LIRL Rwy 16-34 **L**★

WALNUT COVE, NORTH CAROLINA
Orig 10266

WALNUT COVE/ MEADOW BROOK FIELD (N63)
VOR/DME or GPS RWY 34

36°18'N - 80°09'W

SE-2. 21 OCT 2010 to 18 NOV 2010

WASHINGTON

WARREN FLD (OCW) 0 NE UTC-5(-4DT) N35°34.23' W77°02.99'

38 B FUEL 100LL, JET A1 + NOTAM FILE OCW

RWY 17-35: H5000X150 (ASPH-CONC) S-22 MIRL

RWY 17: Thld displcd 501'. Pole. RWY 35: Trees.

RWY 05-23: H5000X100 (ASPH) S-30, D-38 MIRL

RWY 05: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Trees.

RWY 23: REIL VASI(V2L)—GA 3.0° TCH 40'. Thld displcd 199'. Trees.

RWY 11-29: H4000X150 (ASPH-CONC) S-22

RWY 11: Trees. RWY 29: Trees.

AIRPORT REMARKS: Attended Mon-Sat 1300-2300Z, Sun 1300-2200Z. CLOSED Thanksgiving and Christmas. For fuel after hrs call 252-975-9320. Rwy 11-29 CLOSED only when NOTAMs issued. Deer and birds on and invof arpt. Parachute Jumping. Loose aggregate/gravel on all rwys. Rwy 17-35 loose gravel, pot holes, cracks, pavement heaving and spalling, vegetation in rwy. Rwy 11-29 grass growing through cracks and small pot holes. pavement heaving and spalling. Twys not lgtd. Rwy 05 PAPI OTS indef. MIRL Rwy 05-23 preset on low ints, to increase ints and ACTIVATE MIRL Rwy 17-35, VASI Rwy 23, PAPI Rwy 05 and REIL Rwy 05 and Rwy 23 —CTAF.

WEATHER DATA SOURCES: AWOS-3 120.175 (252)975-6133.**COMMUNICATIONS:** CTAF/UNICOM 122.7

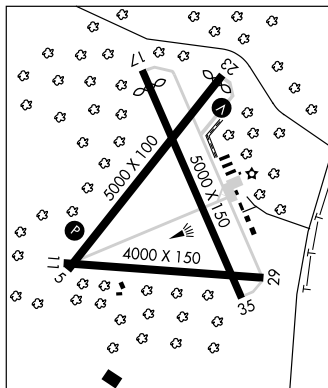
① WASHINGTON CENTER APP/DEP CON 135.5

RADIO AIDS TO NAVIGATION: NOTAM FILE ISO.

KINSTON (L) VORTAC 109.6 ISO Chan 33 N35°22.26' W77°33.50' 069° 27.6 NM to fld. 106/05W.

CHOCOWINY NDB (MHW) 388 RNW N35°30.58' W77°06.40' 044° 4.6 NM to fld. NOTAM FILE OCW.

ILS/DME 110.9 I-OCW Chan 46 Rwy 05. LOC only.



CHARLOTTE

H-9C, 12H, L-35C
IAP

WAXHAW

JAARS-TOWNSEND (N52) 3 S UTC-5(-4DT) N34°51.83' W80°44.88'

602 B FUEL 100LL, JET A NOTAM FILE RDU

RWY 04-22: H3309X40 (ASPH) LIRL (NSTD)

RWY 04: Trees. RWY 22: Thld displcd 200'. Trees.

AIRPORT REMARKS: Attended Mon-Fri 1300-2200Z. Deer on and invof arpt. Ultralight activity on and invof arpt. Rwy 04-22 has 20 ft down slope between ends. Rwy 04-22 NSTD LIRL, edge lgts 30 ft from pavement. Surface variations in rwy surface area. Rwy 04-22 markings NSTD size. Ngt tkf use Rwy 22. Ngt ldg use Rwy 04 unless wind dictates otherwise. ACTIVATE rotating bcn—CTAF. ACTIVATE LIRL Rwy 04-22—CTAF.

COMMUNICATIONS: CTAF/UNICOM 123.0

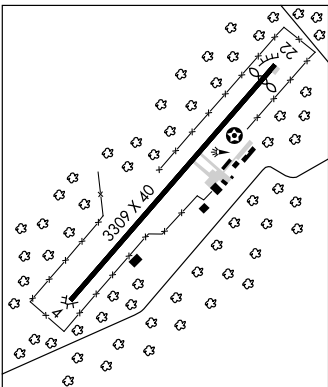
① CHARLOTTE APP/DEP CON 120.05

RADIO AIDS TO NAVIGATION: NOTAM FILE CLT

CHARLOTTE (L) VORW/DME 115.0 CLT Chan 97 N35°11.42' W80°57.11' 158° 22.0 NM to fld. 732/05W. HIWAS.

FORT MILL (L) VORTAC 112.4 FML Chan 71 N34°59.34'

W80°57.29' 128° 12.7 NM to fld. 645/02W. NOTAM FILE AND. SHUTDOWN.



CHARLOTTE

L-24J, 25D, 36E
IAP

WESLEY N34°57.18' W80°42.31' NOTAM FILE EQY.

NDB (MHW) 204 TWL 052° 5.8 NM to Charlotte-Monroe Executive. NDB unmonitored 2200-1300Z. L-25D, 36E

CHARLOTTE

WESTERN CAROLINA RGNL (See ANDREWS)

LOC/DME I-OCW 110.9 Chan 46	APP CRS 045°	Rwy Idg TDZE Apt Elev 5000 37 38
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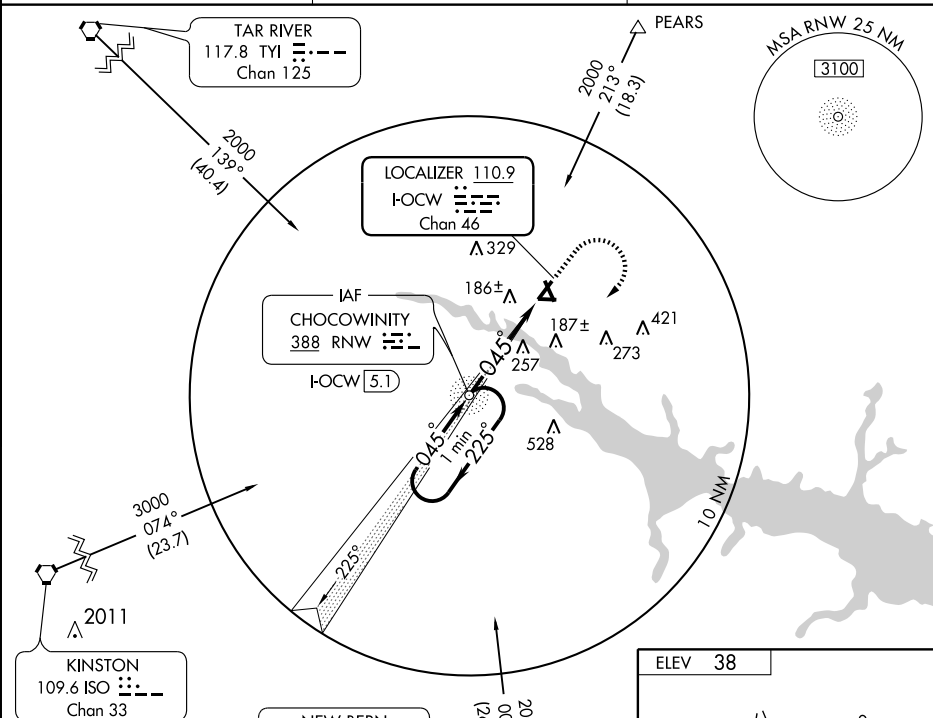
LOC RWY 5

WASHINGTON/ WARREN FIELD (OCW)



ADF REQUIRED

MISSED APPROACH: Climb to 1000, then climbing right turn to 1600 direct RNW NDB and hold.

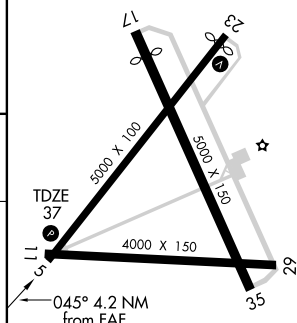
AWOS-3
120.175WASHINGTON CENTER
135.5 281.42UNICOM
122.7(CTAF) 0One Minute
Holding Pattern1600
← 225°
045° →NDB
I-OCW [5.1]1000
1600

RNW

I-OCW [0.9]

4.2 NM

ELEV 38



REIL Rwy 5-23 0

MIRL Rlys 5-23 and 17-35 0

FAF to MAP 4.2 NM

Knots	60	90	120	150	180
Min:Sec	4:12	2:48	2:06	1:41	1:24

WAAS CH 42810 W05A	APP CRS 045°	Rwy Idg 5000 TDZE 35 Apt Elev 37
--	------------------------	---

RNAV (GPS) RWY 5

WASHINGTON/ WARREN FIELD (OCW)

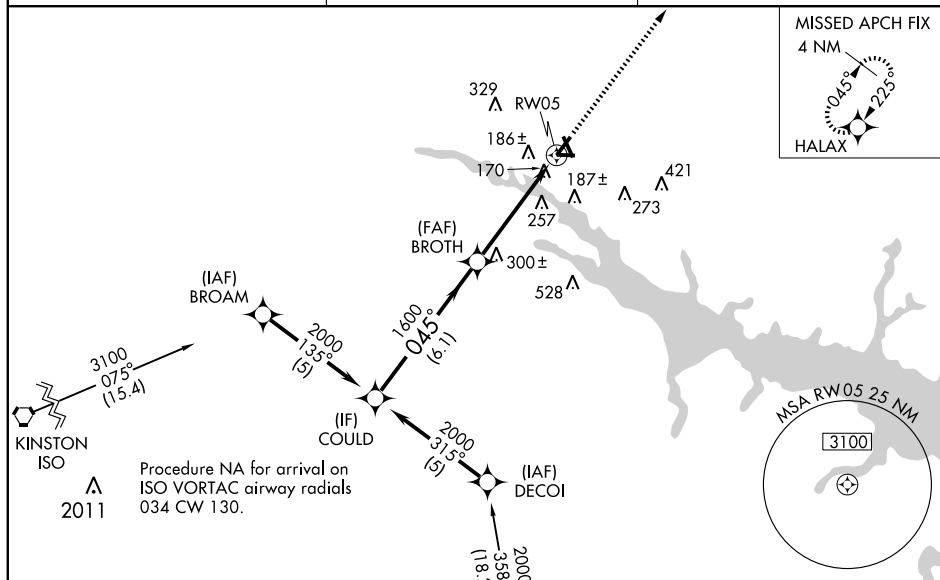
⚠ Circling to Rwy 17-35 NA at night. Baro-VNAV NA when using Greenville altimeter setting.
⚠ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Greenville altimeter setting and increase LPV DA to 483, LNAV/VNAV DA to 518, and all MDA 60 feet; increase LNAV/VNAV all Cats. visibility ¼ mile.

MISSED APPROACH:
Climb to 2600 direct HALAX and hold.

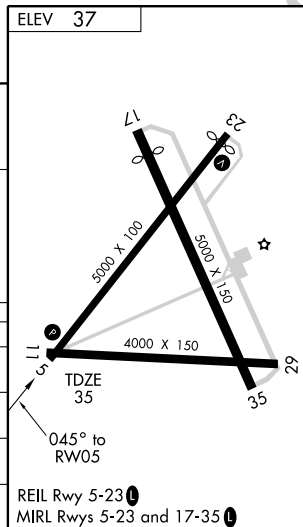
AWOS-3
120.175

WASHINGTON CENTER
135.5 281.42

UNICOM
122.7 (CTAF) 0



	COULD		2600 HALAX	
	2000		1600	
	045°		1600	
	Procedure Turn NA		RW05	
	GS 3.00°		6.1 NM	
	TCH 40		4.7 NM	
CATEGORY	A	B	C	D
LPV DA	442-1½		407 (500-1½)	
LNAV/VNAV DA	477-1½		442 (500-1½)	
LNAV MDA	560-1	525 (600-1)	560-1½ 525 (600-1½)	560-1¾ 525 (600-1¾)
CIRCLING	560-1	523 (600-1)	560-1½ 523 (600-1½)	620-2 583 (600-2)



APP CRS **163°**
Rwy Idg **4499**
TDZE **36**
Apt Elev **37**

RNAV (GPS) RWY 17

WASHINGTON/ WARREN FIELD (OCW)

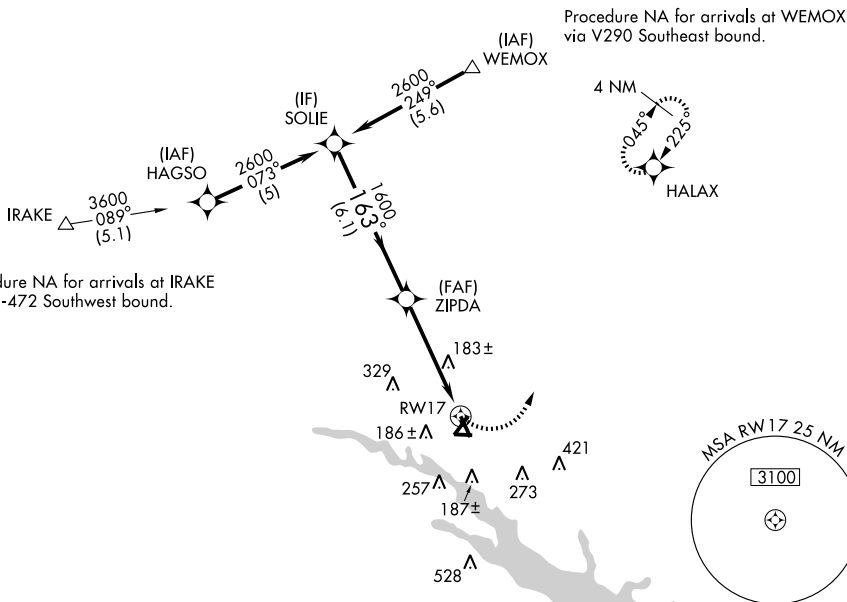
▼ DME/DME RNP-0.3 NA. Procedure NA at night.
▲ Visibility reduction by helicopters NA. When local altimeter setting not received, use Greenville altimeter setting and increase all MDA 60 feet; increase LNAV Cat. D visibility ¼ mile.

MISSED APPROACH: Climbing left turn to 2600 direct HALAX and hold.

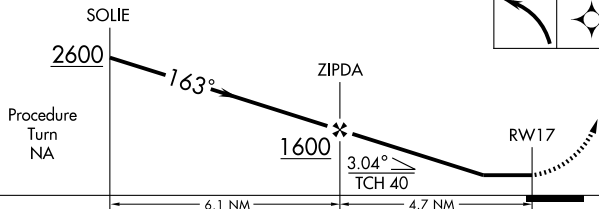
AWOS-3
120.175

WASHINGTON CENTER
135.5 281.42

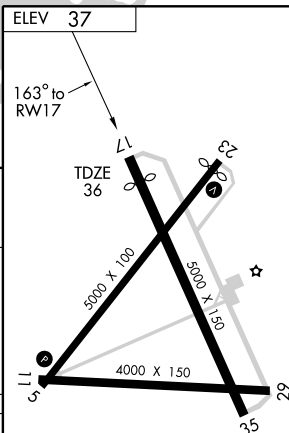
UNICOM
122.7 (CTAF) 0



2011
▲



2600 HALAX



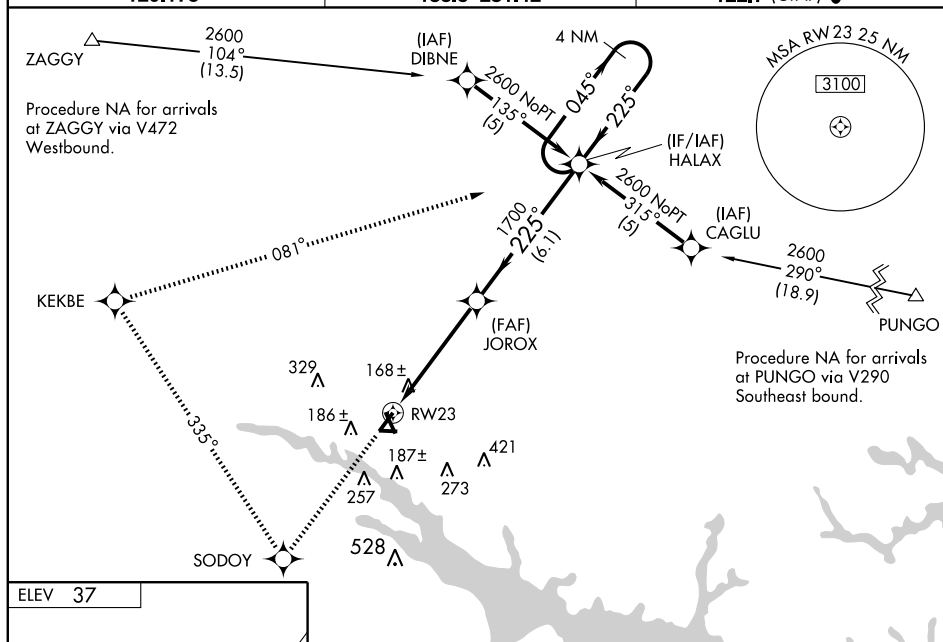
REIL Rwy 5-23 0
MIRL Rwy 5-23 and 17-35 0

WAAS CH 93810 W23A	APP CRS 225°	Rwy Idg TDZE Apt Elev	4801 37 37
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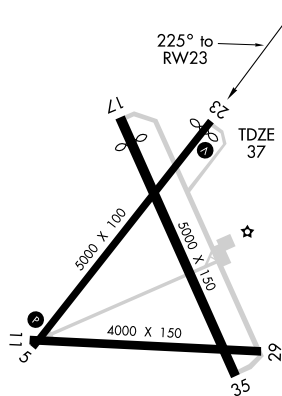
RNAV (GPS) RWY 23

WASHINGTON/ WARREN FIELD (OCW)

<p>▼ Circling to Rwy 17-35 NA at night.</p> <p>▲ Baro-VNAV NA when using Greenville altimeter setting.</p> <p>For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15° C (5° F) or above 48° C (118° F). DME/DME RNP-0.3 NA.</p> <p>Visibility reduction by helicopters NA. When local altimeter setting not received, use Greenville altimeter setting and increase LPV DA to 477, LNAV/VNAV DA to 514, and all MDA 60 feet; increase LNAV/VNAV all Cats., and LNAV Cats. C and D visibility ¼ mile.</p>	<p>MISSED APPROACH: Climb to 2600 direct SODOY and right turn via 335° track to KEKBE and right turn via 081° track to HALAX and hold.</p>
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AWOS-3
120.175WASHINGTON CENTER
135.5 281.42UNICOM
122.7 (CTAF) 0

ELEV 37

MRL Rwy 5-23 and 17-35 0
REIL Rwy 5-23 0

2600 ↑	SODOY ✧	tr 335°	KEKBE ✧	tr 081°	HALAX ✧	HALAX 4 NM Holding Pattern
<p>JOROX 1700</p> <p>225°</p> <p>045°</p> <p>2600</p> <p>225°</p> <p>GS 3.00° TCH 40°</p> <p>5 NM</p> <p>6.1 NM</p> <p>RW23</p>						
CATEGORY	A	B	C	D		
LPV DA	436-1½ 399 (400-1½)					
LNAV/ VNAV DA	473-1½ 436 (500-1½)					
LNAV MDA	420-1 383 (400-1)					420-1¼ 383 (400-1¼)
CIRCLING	540-1 503 (600-1)		540-1½ 503 (600-1½)		620-2 583 (600-2)	

WASHINGTON, NORTH CAROLINA
Amdt 1 10154

35°34'N - 77°03'W

WASHINGTON/ WARREN FIELD (OCW)

RNAV (GPS) RWY 23

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

WAAS CH 78310 W35A	APP CRS 343°	Rwy Idg TDZE 35 Apt Elev 37	5000
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RNAV (GPS) RWY 35

WASHINGTON/ WARREN FIELD (OCW)



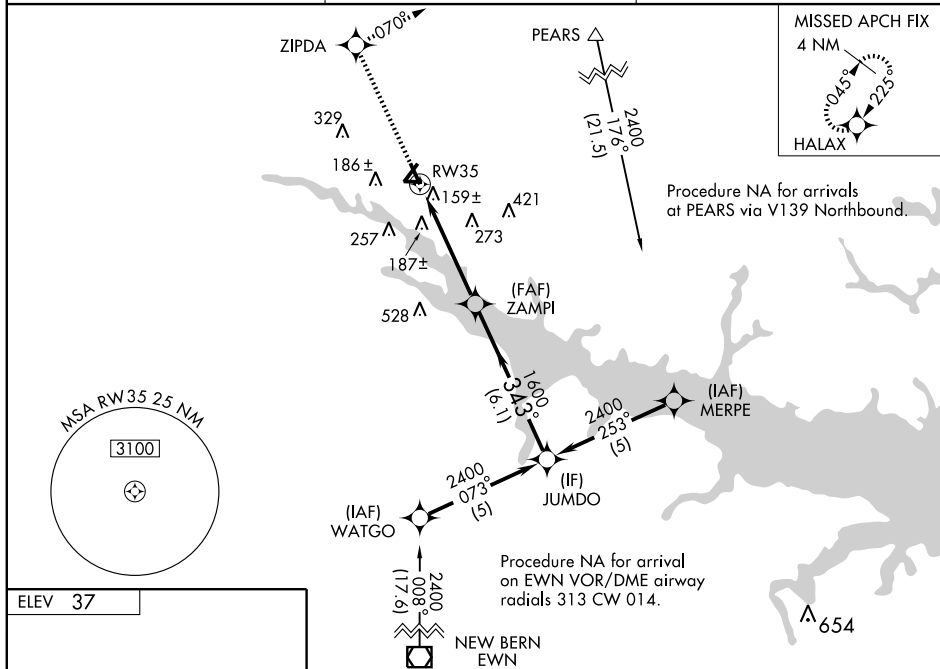
Baro-VNAV NA when using Greenville altimeter setting.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). DME/DME RNP-0.3 NA.
Procedure NA at night. Visibility reduction by helicopters NA.
When local altimeter setting not received, use Greenville altimeter setting and increase LPV DA to 400, LNAV/VNAV DA to 534, and all MDA 60 feet; increase LNAV Cats C and D visibility ¼ mile.

MISSED APPROACH: Climb to 2600 direct ZIPDA and via 070° track to HALAX and hold.

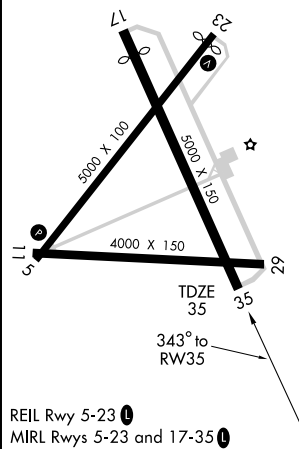
AWOS-3
120.175

WASHINGTON CENTER
135.5 281.42

UNICOM
122.7 (CTAF) 0



ELEV **37**



2600	ZIPDA	070° tr	HALAX	JUMDO
				ZAMPI
				1600
				343°
				2400
				Procedure Turn NA
				GS 3.00°
				TCH 40
				4.7 NM
				6.1 NM
CATEGORY	A	B	C	D
LPV DA	359-1¼ 324 (400-1¼)			
LNAV/VNAV DA	493-1¾ 458 (500-1¾)			
LNAV MDA	500-1	465 (500-1)	500-1¼ 465 (500-1¼)	500-1½ 465 (500-1½)
CIRCLING	540-1	503 (600-1)	540-1½ 503 (600-1½)	620-2 583 (600-2)

VORTAC ISO	APP CRS	Rwy Idg	5000
109.6	069°	TDZE	35
Chan 33		Apt Elev	38

VOR/DME RWY 5

WASHINGTON/ WARREN FIELD (OCW)

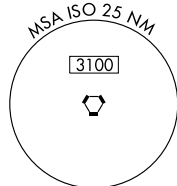


MISSED APPROACH: Climbing right turn to 1600
via ISO R-069 to MIZEL ISO 22 DME and hold.

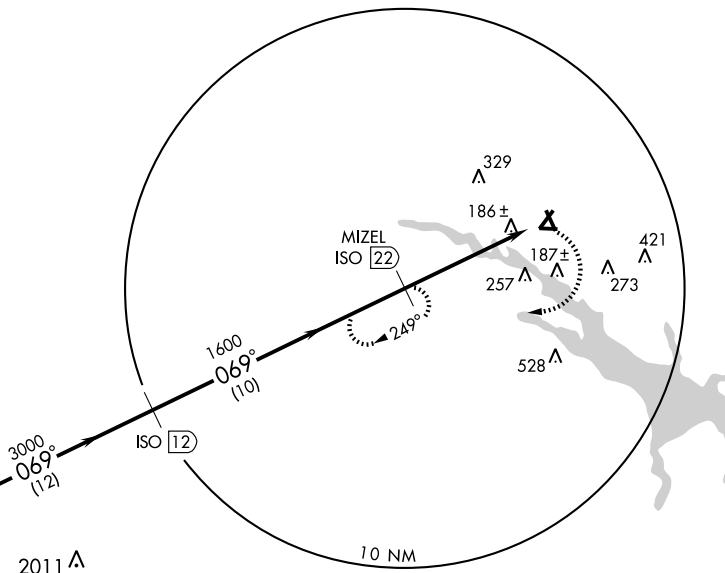
AWOS-3
120.175

WASHINGTON CENTER
135.5 281.42

UNICOM
122.7 (CTAF) ①

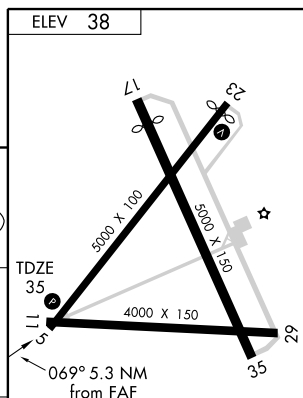
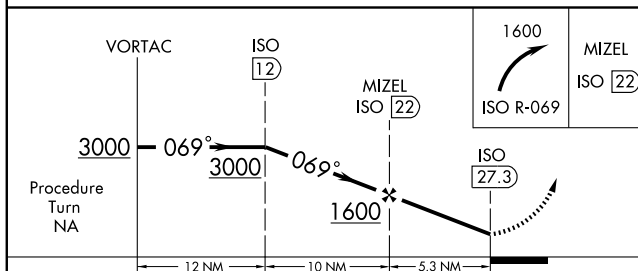


IAF
KINSTON
109.6 ISO ---
Chan 33



2011 A

10 NM



CATEGORY	A	B	C	D
S-5	800-1 765 (800-1)	800-1¼ 765 (800-1¼)	800-2¼ 765 (800-2¼)	800-2½ 765 (800-2½)
CIRCLING	800-1 762 (800-1)	800-1¼ 762 (800-1¼)	800-2¼ 762 (800-2¼)	800-2½ 762 (800-2½)

REIL Rwy 5-23 ①
MIRL Rwy 5-23 and 17-35 ①

WASHINGTON

WARREN FLD (OCW) 0 NE UTC-5(-4DT) N35°34.23' W77°02.99'

38 B FUEL 100LL, JET A1 + NOTAM FILE OCW

RWY 17-35: H5000X150 (ASPH-CONC) S-22 MIRL

RWY 17: Thld displcd 501'. Pole. RWY 35: Trees.

RWY 05-23: H5000X100 (ASPH) S-30, D-38 MIRL

RWY 05: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Trees.

RWY 23: REIL VASI(V2L)—GA 3.0° TCH 40'. Thld displcd 199'. Trees.

RWY 11-29: H4000X150 (ASPH-CONC) S-22

RWY 11: Trees. RWY 29: Trees.

AIRPORT REMARKS: Attended Mon-Sat 1300-2300Z, Sun 1300-2200Z. CLOSED Thanksgiving and Christmas. For fuel after hrs call 252-975-9320. Rwy 11-29 CLOSED only when NOTAMs issued. Deer and birds on and invof arpt. Parachute Jumping. Loose aggregate/gravel on all rwys. Rwy 17-35 loose gravel, pot holes, cracks, pavement heaving and spalling, vegetation in rwy. Rwy 11-29 grass growing through cracks and small pot holes. pavement heaving and spalling. Twys not lgtd. Rwy 05 PAPI OTS indef. MIRL Rwy 05-23 preset on low ints, to increase ints and ACTIVATE MIRL Rwy 17-35, VASI Rwy 23, PAPI Rwy 05 and REIL Rwy 05 and Rwy 23 —CTAF.

WEATHER DATA SOURCES: AWOS-3 120.175 (252)975-6133.**COMMUNICATIONS:** CTAF/UNICOM 122.7

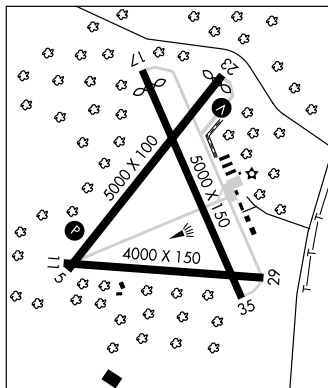
Ⓡ WASHINGTON CENTER APP/DEP CON 135.5

RADIO AIDS TO NAVIGATION: NOTAM FILE ISO.

KINSTON (L) VORTAC 109.6 ISO Chan 33 N35°22.26' W77°33.50' 069° 27.6 NM to fld. 106/05W.

CHOCOWINY NDB (MHW) 388 RNW N35°30.58' W77°06.40' 044° 4.6 NM to fld. NOTAM FILE OCW.

ILS/DME 110.9 I-OCW Chan 46 Rwy 05. LOC only.



CHARLOTTE

H-9C, 12H, L-35C
IAP

WAXHAW

JAARS-TOWNSEND (N52) 3 S UTC-5(-4DT) N34°51.83' W80°44.88'

602 B FUEL 100LL, JET A NOTAM FILE RDU

RWY 04-22: H3309X40 (ASPH) LIRL (NSTD)

RWY 04: Trees. RWY 22: Thld displcd 200'. Trees.

AIRPORT REMARKS: Attended Mon-Fri 1300-2200Z. Deer on and invof arpt. Ultralight activity on and invof arpt. Rwy 04-22 has 20 ft down slope between ends. Rwy 04-22 NSTD LIRL, edge lgts 30 ft from pavement. Surface variations in rwy surface area. Rwy 04-22 markings NSTD size. Ngt tkf use Rwy 22. Ngt ldg use Rwy 04 unless wind dictates otherwise. ACTIVATE rotating bcn—CTAF. ACTIVATE LIRL Rwy 04-22—CTAF.

COMMUNICATIONS: CTAF/UNICOM 123.0

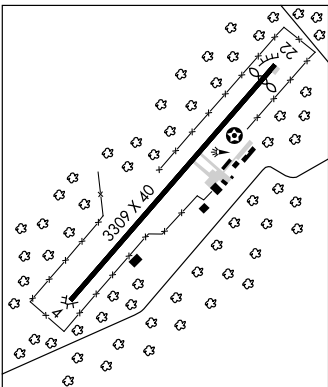
Ⓡ CHARLOTTE APP/DEP CON 120.05

RADIO AIDS TO NAVIGATION: NOTAM FILE CLT

CHARLOTTE (L) VORW/DME 115.0 CLT Chan 97 N35°11.42' W80°57.11' 158° 22.0 NM to fld. 732/05W. HIWAS.

FORT MILL (L) VORTAC 112.4 FML Chan 71 N34°59.34'

W80°57.29' 128° 12.7 NM to fld. 645/02W. NOTAM FILE AND. SHUTDOWN.



CHARLOTTE

L-24J, 25D, 36E
IAP

WESLEY N34°57.18' W80°42.31' NOTAM FILE EQY.

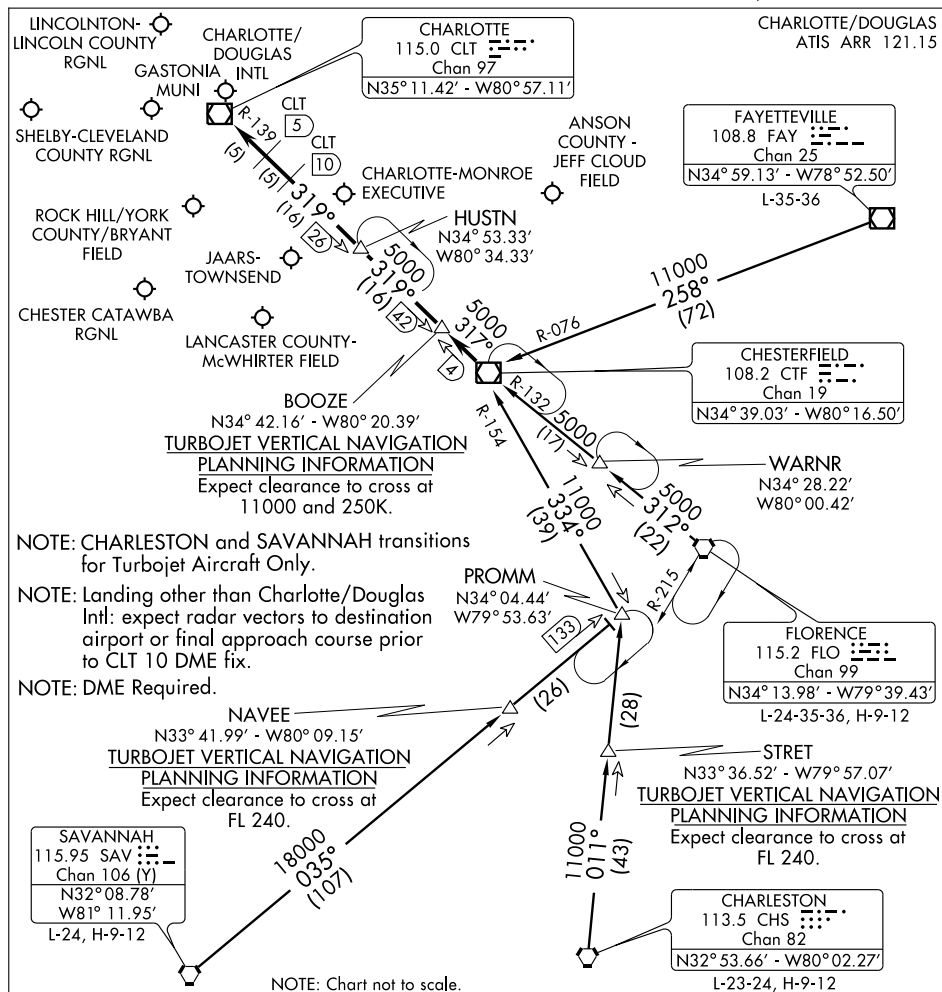
NDB (MHW) 204 TWL 052° 5.8 NM to Charlotte-Monroe Executive. NDB unmonitored 2200-1300Z. L-25D, 36E

CHARLOTTE

WESTERN CAROLINA RGNL (See ANDREWS)

CHESTERFIELD THREE ARRIVAL

CHARLOTTE, NORTH CAROLINA



CHARLESTON TRANSITION (CHS.CTF3): From over CHS VORTAC via CHS R-011 to PROMM INT then via CTF R-154 to CTF VOR/DME. Thence....

FAYETTEVILLE TRANSITION (FAY.CTF3): From over FAY VOR/DME via FAY R-258 and CTF R-076 to CTF VOR/DME. Thence....

FLORENCE TRANSITION (FLO.CTF3): From over FLO VORTAC via FLO R-312 and CTF R-132 to CTF VOR/DME. Thence....

SAVANNAH TRANSITION (SAV.CTF3): From over SAV VORTAC via SAV R-035 to PROMM INT then via CTF R-154 to CTF VOR/DME. Thence....

... From over CTF VOR/DME via CTF R-317 to BOOZE, then via CLT R-139 to:

(LANDING NORTH) HUSTN INT: Expect radar vectors to final approach course.

(LANDING SOUTH) CLT VOR/DME: Expect radar vectors to final approach course prior to CLT 5 DME fix.

CHESTERFIELD THREE ARRIVAL

CHARLOTTE, NORTH CAROLINA

MAJIC ONE ARRIVAL

CHARLOTTE, NORTH CAROLINA

CHARLOTTE/DOUGLAS
 ATIS ARR 121.15
 CHARLOTTE APP CON
 (001° -119°) **128.32**
 (120° -245°) **120.05**
 (246° -360°) **134.75**
 (180° -359°) **257.2**
 (360° -179°) **307.8**

ROANOKE
 109.4 ROA
 Chan 31
 N37°20.61' - W80°04.23'
 L-26, H-10-12

MAYOS
 N36°19.59' - W79°59.79'
TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
 Expect to cross at FL220.

MAJIC
 N35°48.71' - W80°26.17'
TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
 Expect to cross at 13,000'/250K.

LYNCHBURG
 109.2 LYH
 Chan 29
 N37°15.28' - W79°14.19'
 L-26-36, H-10-12

KELLS
 N36°35.17' - W79°47.17'

RALEIGH/DURHAM
 117.2 RDU
 Chan 119
 N35°52.35' - W78°47.00'
 L-36, H-9-12

SUDSY
 N35°44.58' - W80°29.63'

LINCOLNTON-
 LINCOLN COUNTY
 RGNL

SHELBY-
 CLEVELAND
 COUNTY RGNL

GASTONIA
 MUNI

ROCK HILL/YORK
 COUNTY/BRYANT
 FIELD

CHESTER CATAWBA
 RGNL

NOTE: Chart not to scale.

CLT
 10

CHARLOTTE
 DOUGLAS
 INTL

CLT
 5

CHARLOTTE
 115.0 CLT
 Chan 97
 N35°11.42' - W80°57.11'

CHARLOTTE-MONROE
 EXECUTIVE

JAARS-
 TOWNSEND

LANCASTER COUNTY-
 McWHIRTER FIELD

GIZMO
 N35°32.99' - W80°39.29'

ANSON COUNTY -
 JEFF CLOUD
 FIELD

LIBERTY
 113.0 LIB
 Chan 77
 N35°48.70' - W79°36.76'

NOTE: DME required.
 NOTE: RADAR required for LIB R-273.
 NOTE: Landing other than Charlotte/
 Douglas Intl; expect radar
 vectors to destination airport
 or final approach course prior
 to CLT 10 DME fix.

LIBERTY TRANSITION (LIB.MAJIC1): From over LIB VORTAC via LIB R-273
 to MAJIC INT. Thence. . .

LYNCHBURG TRANSITION (LYH.MAJIC1): From over LYH VORTAC via LYH R-219
 and CLT R-039 to MAJIC INT. Thence. . .

ROANOKE TRANSITION (ROA.MAJIC1): From over ROA VORTAC via ROA R-181
 and CLT R-039 to MAJIC INT. Thence. . .

. . . .From over MAJIC via CLT R-039 to:

LANDING NORTH: CLT VOR/DME. Expect radar vectors to final approach course prior
 to the CLT 5 DME fix.

LANDING SOUTH: GIZMO. Expect radar vectors to final approach course.

MAJIC ONE ARRIVAL

CHARLOTTE, NORTH CAROLINA

APP CRS
045°

Rwy Idg **3309**
TDZE **602**
Apt Elev **602**

RNAV (GPS) RWY 4

WAXHAW/JAARS-TOWNSEND (N52)

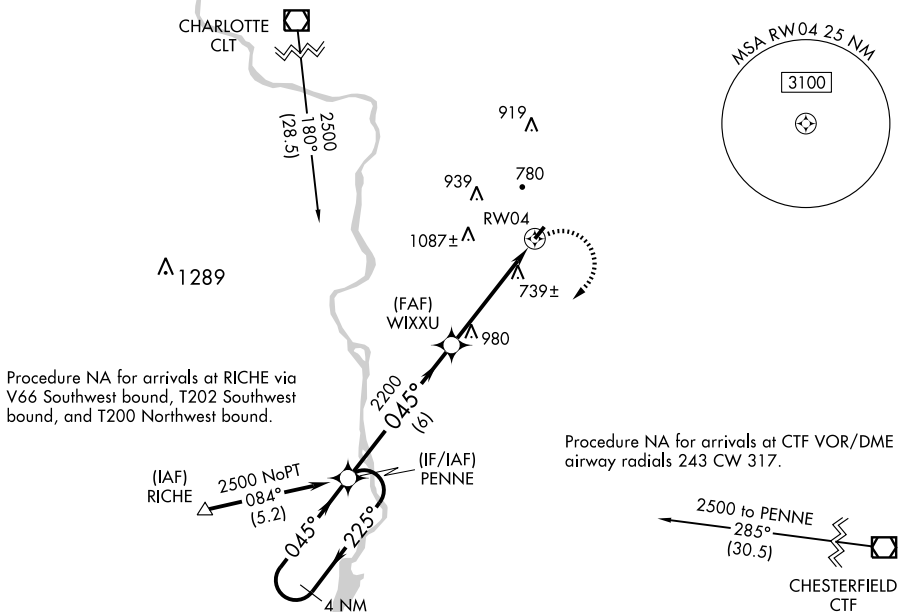
▼ DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
▲ NA Use Monroe altimeter setting, when not received use Rock Hill altimeter setting and increase all MDA 20 feet.

MISSED APPROACH: Climbing right turn to 2500 direct PENNE and hold.

MONROE ASOS
135.775

CHARLOTTE APP CON
120.05 307.8

UNICOM
123.0 (CTAF) 0



ELEV 602

4 NM
Holding Pattern

PENNE

2500

225°

045°

045°

WIXXU

2200

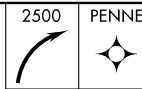
3.04°

TCH 40

RW04

6 NM

4.8 NM



CATEGORY	A	B	C	D
RNAV MDA	1040-1	438 (500-1)	1040-1½ 438 (500-1½)	1040-1½ 438 (500-1½)
CIRCLING	1160-1 558 (600-1)	1220-1 618 (700-1)	1220-1¾ 618 (700-1¾)	1320-2¼ 718 (800-2¼)

URL Rwy 4-22 0

APP CRS **240°**
 Rwy Idg **3109**
 TDZE **602**
 Apt Elev **602**

RNAV (GPS) RWY 22

WAXHAW / JAARS-TOWNSEND (N52)

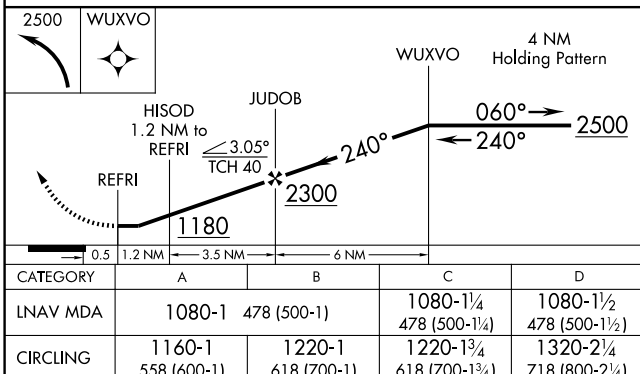
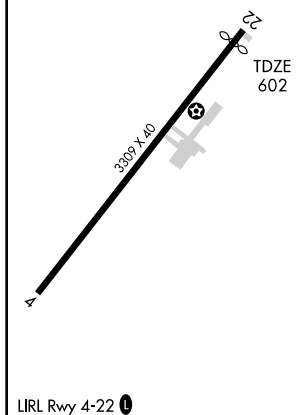
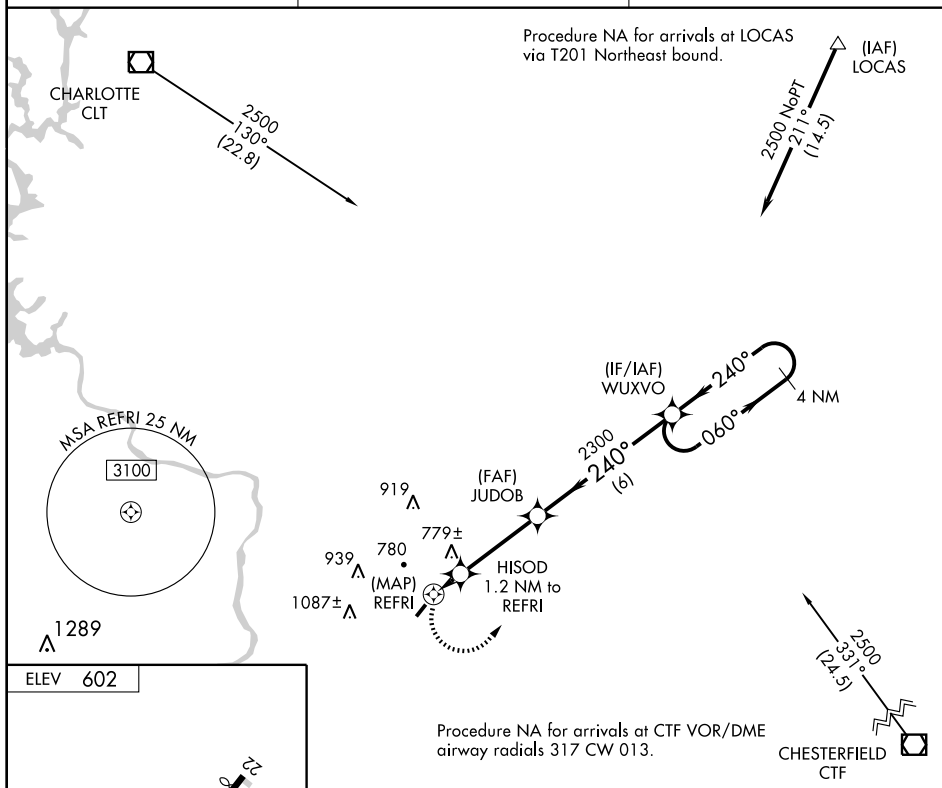
▼ DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
 ▲ NA Use Monroe altimeter setting, when not received use Rock Hill altimeter setting and increase all MDA 20 feet.

MISSED APPROACH: Climbing left turn to 2500 direct WUXVO and hold.

MONROE ASOS
135.775

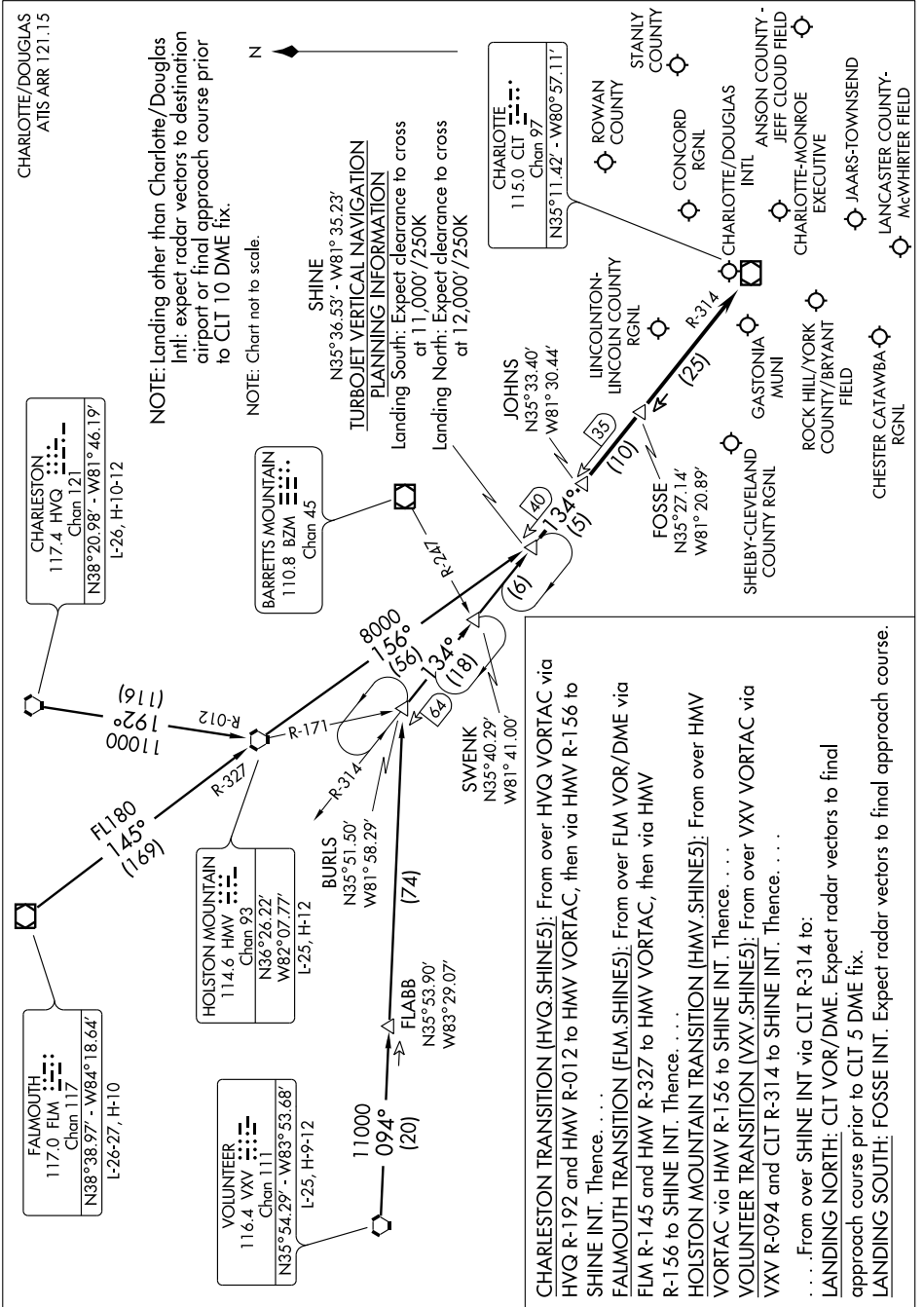
CHARLOTTE APP CON
120.05 307.8

UNICOM
123.0 (CTAF) 0



SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA



SHINE FIVE ARRIVAL

CHARLOTTE, NORTH CAROLINA

UNARM ONE ARRIVAL

UNARM ONE ARRIVAL

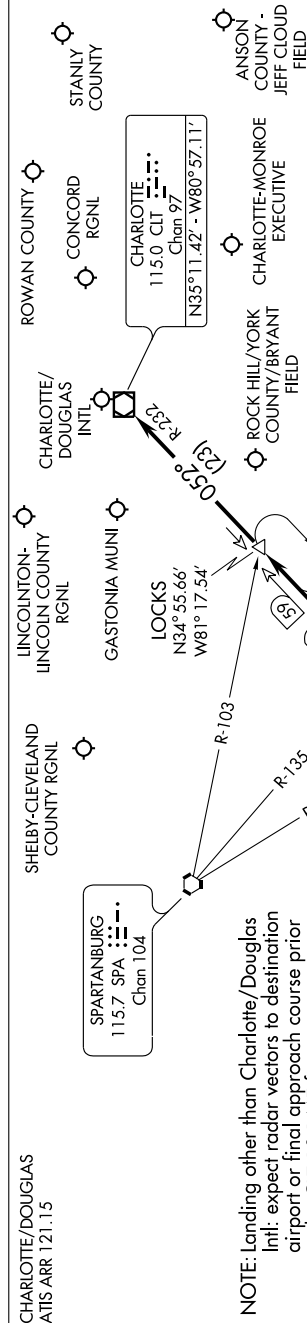
CHARLOTTE/DOUGLAS
AITS ARR 121.15

SHELBY-CLEVELAND
COUNTY RGNL

LINCOLN-CLINTON
COUNTY RGNL

ROWAN COUNTY

STANLY
COUNTY



NOTE: Landing other than Charlotte/Douglas Intl: expect radar vectors to destination airport or final approach course prior to the CLT 10 DME fix.

NOTE: Chart not to scale.

TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION

Landing South: Expect clearance to cross at 12,000'/250K.

Landing North: Expect clearance to cross at 11,000'/250K.

ATLANTA TRANSITION (ATLUNARM1): From over ATL VORTAC via ATL R-071 and GRD R-254 to GRD VORTAC. Then via GRD R-047 and CLT R-232 to UNARM INT. Thence. . . .

COLLIERS TRANSITION (IRQ.UNARM1): From over IRQ VORTAC via IRQ R-005 and GRD R-182 to GRD VORTAC. Then via GRD R-047 and CLT R-232 to UNARM INT. Thence. . . .

. . . . From over UNARM INT via CLT R-232 to:

LANDING NORTH: LOCKS INT. Expect radar vectors to final approach course.

LANDING SOUTH: CLT VOR/DME. Expect radar vectors to final approach course prior to CLT 5 DME fix.

CHARLOTTE, NORTH CAROLINA

SE-2, 21 OCT 2010 to 18 NOV 2010

WHITEVILLE

COLUMBUS CO MUNI (CPC) 3 S UTC-5(-4DT) N34°16.37' W78°42.90'

99 B FUEL 100LL, JET A1+ NOTAM FILE CPC

RWY 06-24: H5500X75 (ASPH) S-24, D-30 MIRL 0.5% up SW

RWY 06: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Trees.

RWY 24: VASI(V2L)—GA 3.0° TCH 37'. Trees.

AIRPORT REMARKS: Attended Mon-Sat 1300-2300Z†, Sun 1400-2300Z†. Arpt unattended Christmas day. For emergency svc after hrs call 910-654-3389/642-0685. Deer on and invof arpt. Rwy 24 has 15' dropoff 200' from thld both sides. Rwy 06 REIL OTS indef. Rwy 24 VASI OTS indef. MIRL Rwy 06-24 opr dusk-0500Z†, after 0500Z† ACTIVATE MIRL Rwy 06-24—CTAF. ACTIVATE REIL Rwy 06—CTAF. PAPI Rwy 06 and VASI Rwy 24 on continuously.

WEATHER DATA SOURCES: AWOS-3 118.375 (910) 642-7508.

COMMUNICATIONS: CTAF/UNICOM 122.8

® MYRTLE BEACH APP/DEP CON 119.2 (1100-0400Z†)

JAX CENTER APP/DEP CON 128.7 (0400-1100Z†)

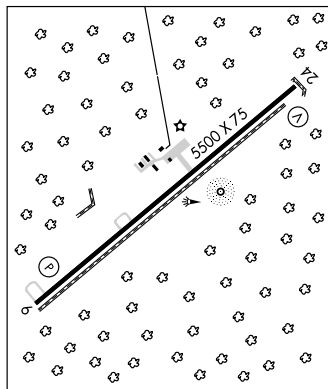
RADIO AIDS TO NAVIGATION: NOTAM FILE FLO.

FLORENCE (H) VORTAC 115.2 FLO Chan 99 N34°13.98'

W79°39.43' 090° 46.9 NM to fld. 110/03W. HIWAS.

CAMP NDB (MHW) 227 CPC N34°16.31' W78°42.84' at fld.

NOTAM FILE RDU. Unmonitored Mon-Sat 2300-1300Z† and Sun 2300-1400Z†.



WHITFIELD FARMS (See HURDLE MILLS)

WILGROVE AIR PARK (See CHARLOTTE)

WILKESBORO N36°13.36' W81°05.92'
RCO 122.4 (RALEIGH RADIO) at Wilkes Co.

CINCINNATI
L-25D

WILKES CO (See NORTH WILKESBORO)

WILKI N36°06.77' W81°05.89' NOTAM FILE RDU.
NDB (MHW/LOM) 209 UKF 006°6.6 NM to Wilkes Co.

CINCINNATI
L-25D

WILLIAMSTON N35°51.54' W77°10.68' NOTAM FILE RDU.
NDB (MHW) 336 MCZ at Martin Co.

CHARLOTTE
L-35C

WILLIAMSTON

MARTIN CO (MCZ) 6 W UTC-5(-4DT) N35°51.73' W77°10.69'

76 B FUEL 100LL NOTAM FILE RDU

RWY 03-21: H5000X75 (ASPH) S-21 MIRL

RWY 03: PAPI(P2L)—GA 3.0° TCH 31'. Road.

RWY 21: PAPI(P2L)—GA 3.0° TCH 24'. Trees.

AIRPORT REMARKS: Attended 1300-2200Z†. For fuel after hrs call 252-792-1964 or 252-809-2281. For svc after hrs call 252-792-1964. Deer on and invof arpt. PAPI RWY 03, Rwy 21 opr continuously. MIRL Rwy 03-21 dusk to dawn; to change intensity of MIRL Rwy 03-21—CTAF.

COMMUNICATIONS: CTAF/UNICOM 122.8

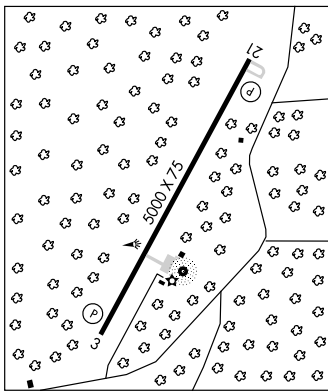
® WASHINGTON CENTER APP/DEP CON 135.5

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

TAR RIVER (L) VORTAC 117.8 TYI Chan 125 N35°58.61'

W77°42.23' 110° 26.5 NM to fld. 70/05W

WILLIAMSTON NDB (MHW) 336 MCZ N35°51.54' W77°10.68'
at fld.

CHARLOTTE
H-9C, 12H, L-35C
IAP

NDB RWY 6

WHITEVILLE/ COLUMBUS COUNTY MUNI (CPC)

NDB CPC 227	APP CRS 059°	Rwy Idg TDZE Apt Elev	5500 99 99
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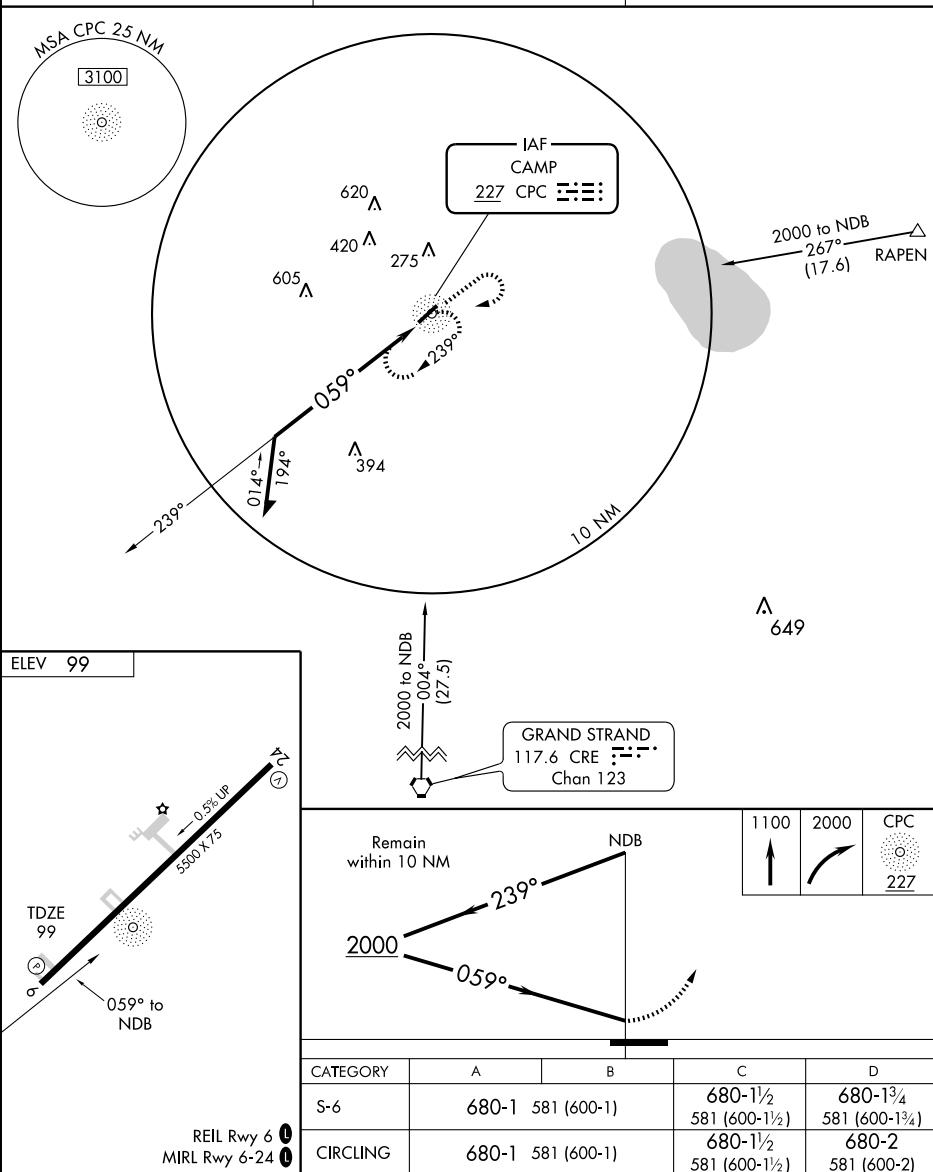
▼ Visibility reduction by helicopters NA. When local altimeter setting not received, use Elizabethtown altimeter setting and increase all MDA 60 feet, S-6 Cat. C and D and Circling Cat. C visibility ¼ mile.

MISSED APPROACH: Climb to 1100 then climbing right turn to 2000 direct CPC NDB and hold, continue climb-in-hold to 2000.

AWOS-3
118.375

MYRTLE BEACH APP CON ★
119.2 350.3

UNICOM
122.8 (CTAF) 0



SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy ldg	5500
055°	TDZE	99
	Apt Elev	99

RNAV (GPS) RWY 6

WHITEVILLE/ COLUMBUS COUNTY MUNI (CPC)

▼ DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Elizabethtown altimeter setting and increase all MDA 60 feet, and LNAV Cat. D visibility ¼ mile.

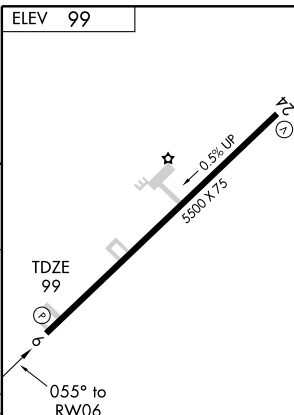
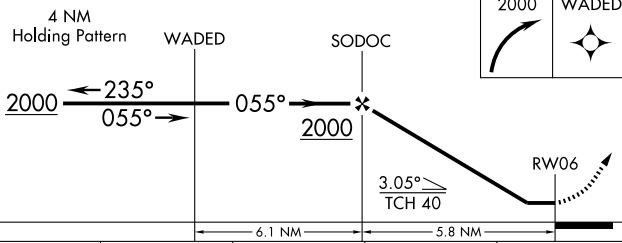
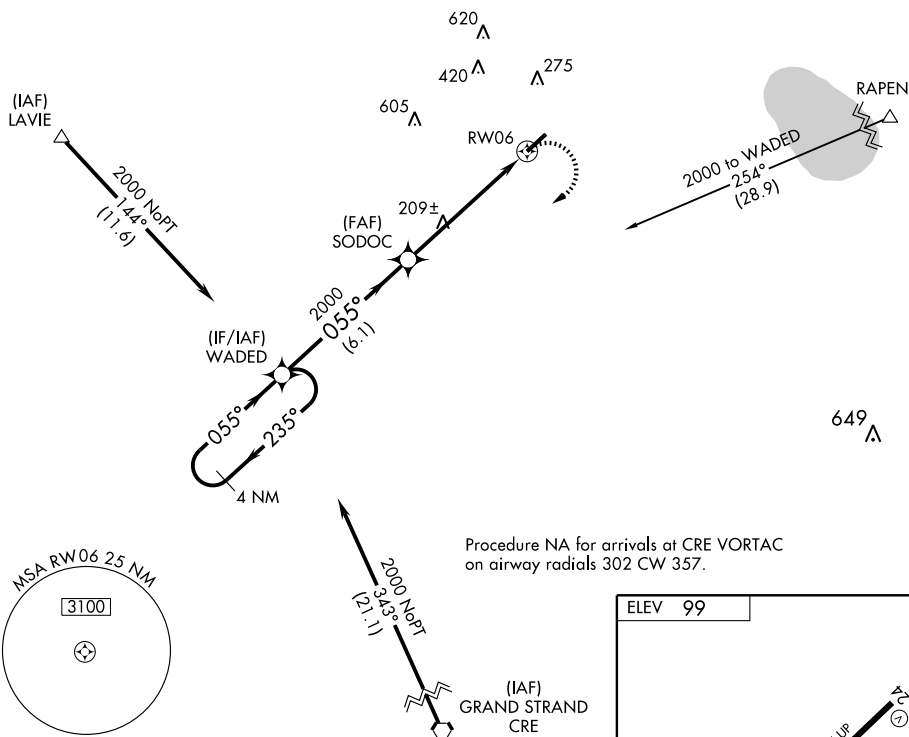
▲

MISSED APPROACH: Climbing right turn to 2000 direct WADED and hold.

AWOS-3
118.375

MYRTLE BEACH APP CON ★
119.2 350.3

UNICOM
122.8 (CTAF) 0



CATEGORY	A	B	C	D
LNAV MDA	500-1	401 (500-1)	500-1¼	401 (500-1¼)
CIRCLING	560-1	461 (500-1)	560-1½ 461 (500-1½)	660-2 561 (600-2)

WHITEVILLE

COLUMBUS CO MUNI (CPC) 3 S UTC-5(-4DT) N34°16.37' W78°42.90'

99 B FUEL 100LL, JET A1+ NOTAM FILE CPC

RWY 06-24: H5500X75 (ASPH) S-24, D-30 MIRL 0.5% up SW

RWY 06: REIL. PAPI(P2L)—GA 3.0° TCH 40'. Trees.

RWY 24: VASI(V2L)—GA 3.0° TCH 37'. Trees.

AIRPORT REMARKS: Attended Mon-Sat 1300-2300Z†, Sun 1400-2300Z†. Arpt unattended Christmas day. For emergency svc after hrs call 910-654-3389/642-0685. Deer on and in/ovf arpt. Rwy 24 has 15' dropoff 200' from thld both sides. Rwy 06 REIL OTS indef. Rwy 24 VASI OTS indef. MIRL Rwy 06-24 opr dusk-0500Z†, after 0500Z† ACTIVATE MIRL Rwy 06-24—CTAF. ACTIVATE REIL Rwy 06—CTAF. PAPI Rwy 06 and VASI Rwy 24 on continuously.

WEATHER DATA SOURCES: AWOS-3 118.375 (910) 642-7508.**COMMUNICATIONS:** CTAF/UNICOM 122.8

® MYRTLE BEACH APP/DEP CON 119.2 (1100-0400Z†)

JAX CENTER APP/DEP CON 128.7 (0400-1100Z†)

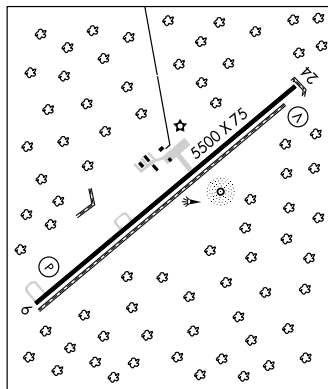
RADIO AIDS TO NAVIGATION: NOTAM FILE FLO.

FLORENCE (H) VORTAC 115.2 FLO Chan 99 N34°13.98'

W79°39.43' 090° 46.9 NM to fld. 110/03W. HIWAS.

CAMP NDB (MHW) 227 CPC N34°16.31' W78°42.84' at fld.

NOTAM FILE RDU. Unmonitored Mon-Sat 2300-1300Z† and Sun 2300-1400Z†.



WHITFIELD FARMS (See HURDLE MILLS)

WILGROVE AIR PARK (See CHARLOTTE)

WILKESBORO N36°13.36' W81°05.92'
RCO 122.4 (RALEIGH RADIO) at Wilkes Co.

CINCINNATI
L-25D

WILKES CO (See NORTH WILKESBORO)

WILKI N36°06.77' W81°05.89' NOTAM FILE RDU.
NDB (MHW/LOM) 209 UKF 006°6.6 NM to Wilkes Co.

CINCINNATI
L-25D

WILLIAMSTON N35°51.54' W77°10.68' NOTAM FILE RDU.
NDB (MHW) 336 MCZ at Martin Co.

CHARLOTTE
L-35C

WILLIAMSTON

MARTIN CO (MCZ) 6 W UTC-5(-4DT) N35°51.73' W77°10.69'

76 B FUEL 100LL NOTAM FILE RDU

RWY 03-21: H5000X75 (ASPH) S-21 MIRL

RWY 03: PAPI(P2L)—GA 3.0° TCH 31'. Road.

RWY 21: PAPI(P2L)—GA 3.0° TCH 24'. Trees.

AIRPORT REMARKS: Attended 1300-2200Z†. For fuel after hrs call 252-792-1964 or 252-809-2281. For svc after hrs call 252-792-1964. Deer on and in/ovf arpt. PAPI RWY 03, Rwy 21 opr continuously. MIRL Rwy 03-21 dusk to dawn; to change intensity of MIRL Rwy 03-21—CTAF.

COMMUNICATIONS: CTAF/UNICOM 122.8

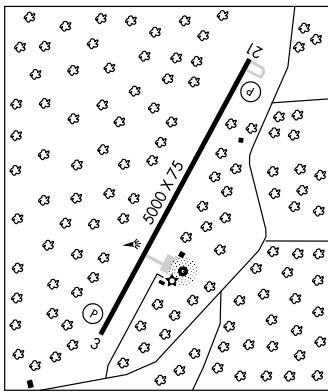
® WASHINGTON CENTER APP/DEP CON 135.5

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

TAR RIVER (L) VORTAC 117.8 TYI Chan 125 N35°58.61'

W77°42.23' 110° 26.5 NM to fld. 70/05W

WILLIAMSTON NDB (MHW) 336 MCZ N35°51.54' W77°10.68'
at fld.

CHARLOTTE
H-9C, 12H, L-35C
IAP

NDB MCZ 336	APP CRS 208°	Rwy Idg TDZE Apt Elev	5000 76 76
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NDB RWY 21

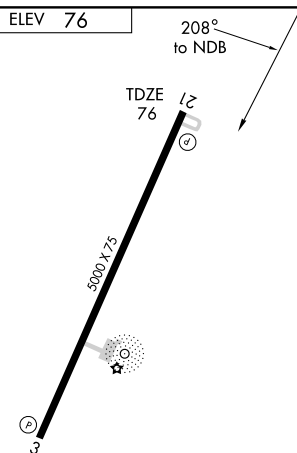
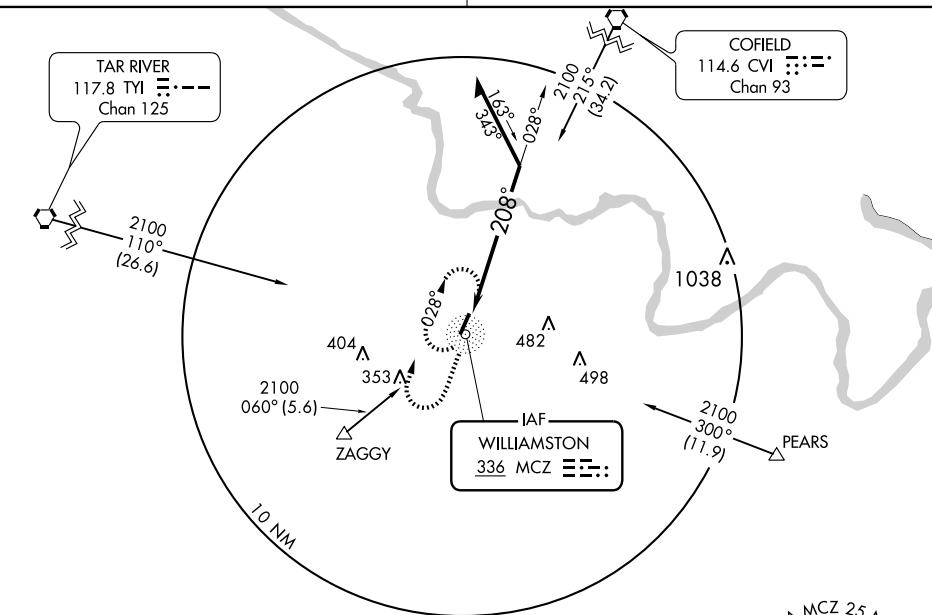
WILLIAMSTON/MARTIN COUNTY (MCZ)

▼
▲ NA
Use Pitt-Greenville altimeter setting; if not received, use Rocky Mount altimeter setting and increase all MDAs 60 feet.

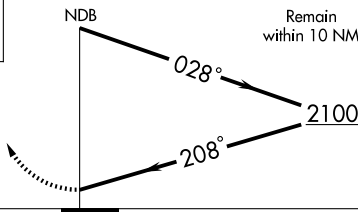
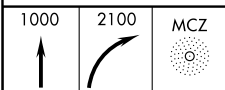
MISSED APPROACH: Climb to 1000 then climbing right turn to 2100 direct MCZ NDB and hold.

WASHINGTON CENTER
135.5 281.42

UNICOM
122.8 (CTAF) 0



MRL Rwy 3-21 0



CATEGORY	A	B	C	D
S-21	600-1	524 (600-1)	600-1½ 524 (600-1½)	600-1¾ 524 (600-1¾)
CIRCLING	600-1	524 (600-1)	600-1½ 524 (600-1½)	640-2 564 (600-2)

APP CRS **033°**
Rwy Idg **5000**
TDZE **75**
Apt Elev **76**

RNAV (GPS) RWY 3

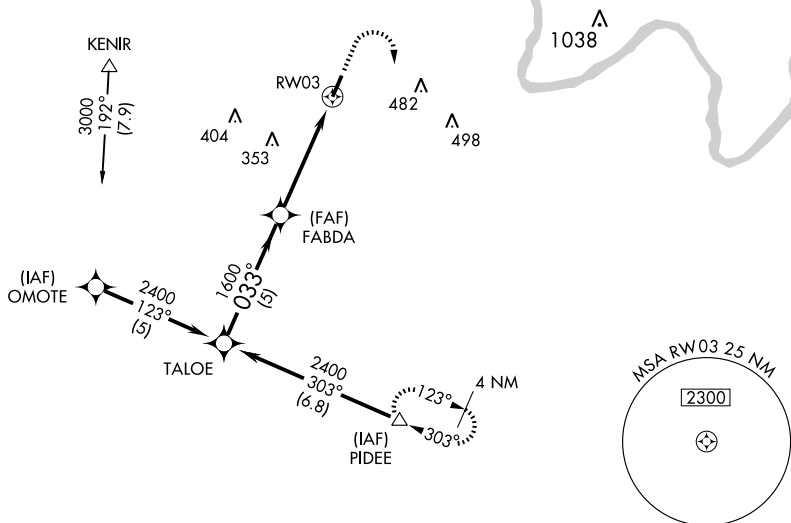
WILLIAMSTON/MARTIN COUNTY (MCZ)

▼ GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
▲ NA Use Pitt-Greenville altimeter setting; If not received, use Rocky Mount altimeter setting and increase all MDAs 60 feet.

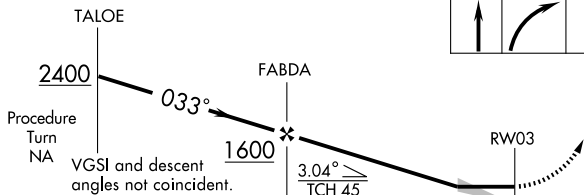
MISSED APPROACH: Climb to 1000 then climbing right turn to 3000 direct PIDEE WP and hold.

WASHINGTON CENTER
135.5 281.42

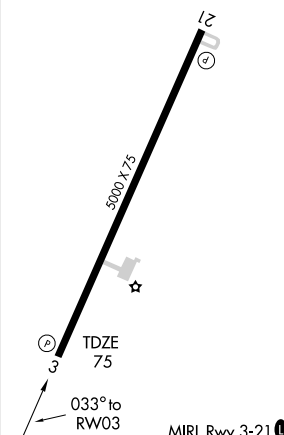
UNICOM
122.8 (CTAF) 0



ELEV **76**



CATEGORY	A	B	C	D
LNNAV MDA	520-1	445 (500-1)	520-1¼ 445 (500-1¼)	520-1½ 445 (500-1½)
CIRCLING	520-1 444 (500-1)	540-1 464 (500-1)	540-1½ 464 (500-1½)	640-2 564 (600-2)



APP CRS 213°	Rwy Idg TDZE Apt Elev	5000 76 76
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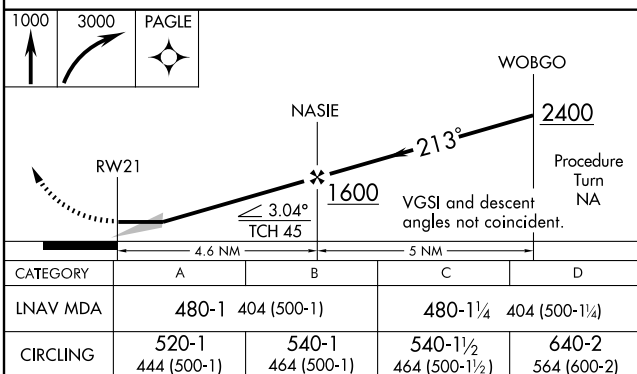
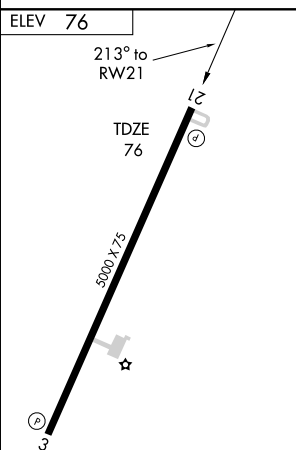
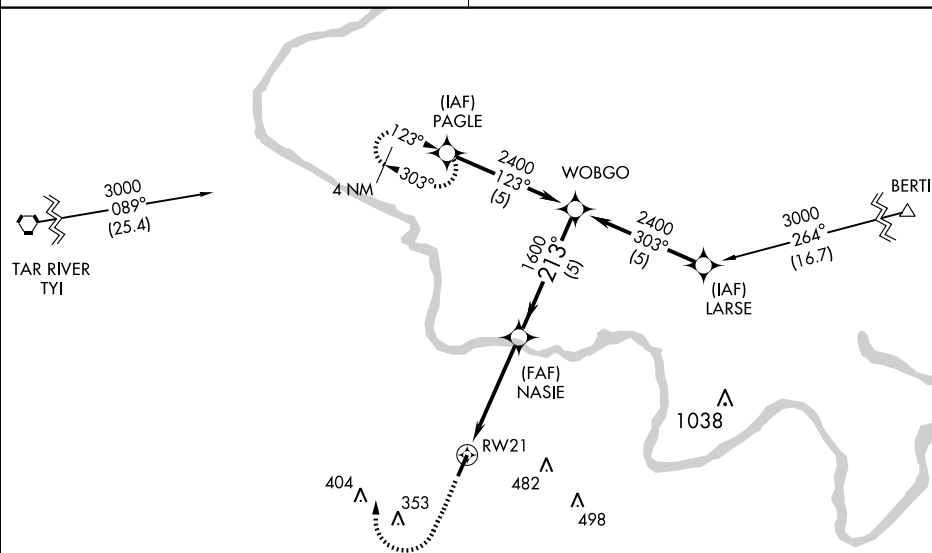
RNAV (GPS) RWY 21

WILLIAMSTON/ MARTIN COUNTY (MCZ)

▼ GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
▲ NA Use Pitt-Greenville altimeter setting; If not received, use Rocky Mount altimeter setting and increase all MDAs 60 feet.

MISSED APPROACH: Climb to 1000 then climbing right turn to 3000 direct PAGLE WP and hold.

WASHINGTON CENTER
135.5 281.42

UNICOM
122.8 (CTAF) **L**

WILLIAMSTON, NORTH CAROLINA
Orig 10154

WILLIAMSTON/ MARTIN COUNTY (MCZ)

RNAV (GPS) RWY 21

35°52' N-77°11' W

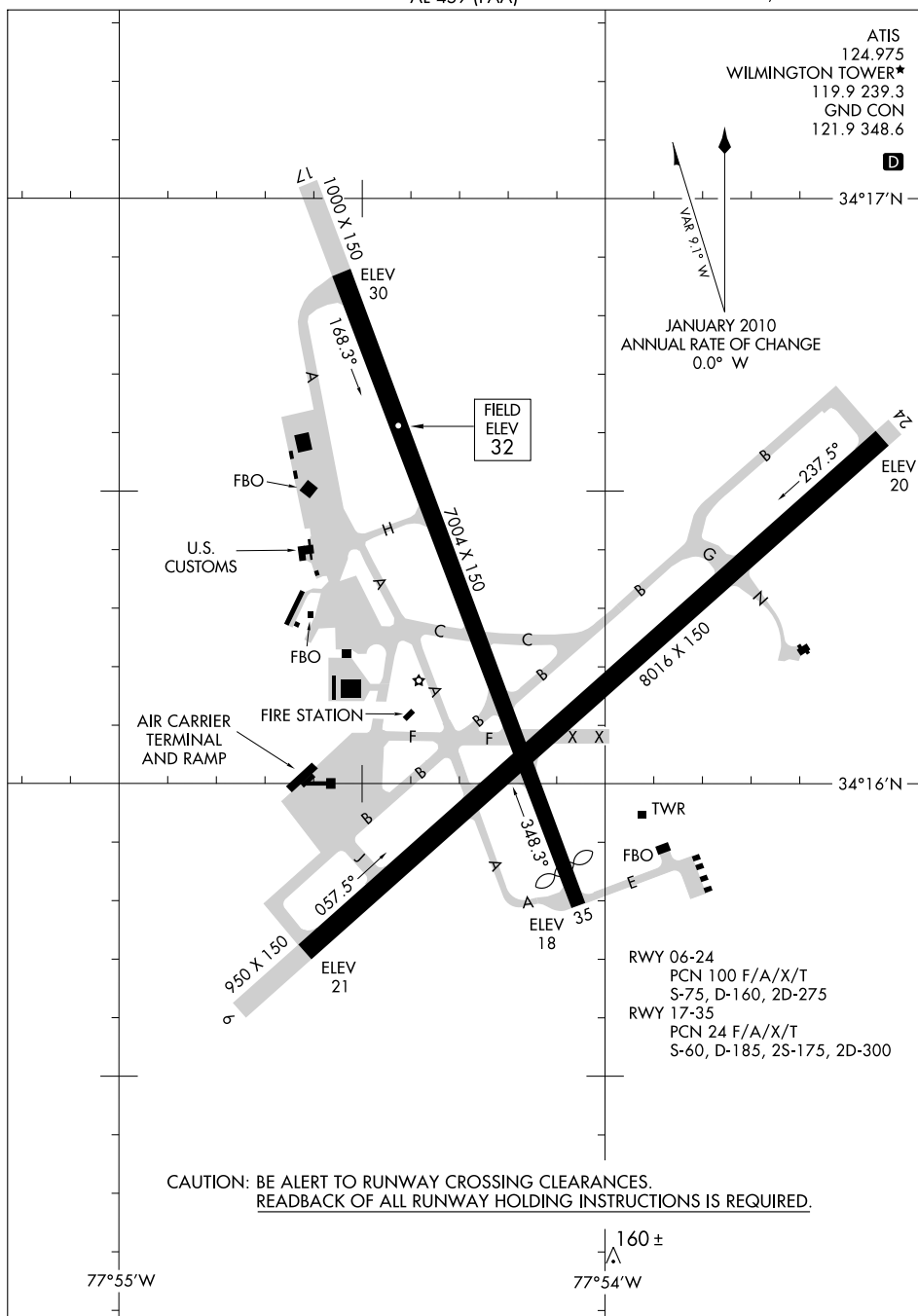
SE-2. 21 OCT 2010 to 18 NOV 2010

AIRPORT DIAGRAM

AL-459 (FAA)

WILMINGTON INTL (ILM)
WILMINGTON, NORTH CAROLINA

SE-2, 21 OCT 2010 to 18 NOV 2010



AIRPORT DIAGRAM

WILMINGTON, NORTH CAROLINA
WILMINGTON INTL (ILM)

WILMINGTON INTL (ILM)(KILM) CIV/MIL/AF 3 NE UTC-5(-4DT) N34°16.24' W77°54.15'

32 B S4 **FUEL** 100LL, JET A OX 1, 2, 3, 4 LRA Class I, ARFF Index B

NOTAM FILE ILM

RWY 06-24: H8016X150 (ASPH-GRVD) S-75, D-160, 2S-175, 2D-275 PCN 100 F/A/X/T HIRL

RWY 06: REIL. VASI(V4L)—GA 3.0° TCH 60'.

RWY 24: MALSR. VASI(V4L)—GA 3.0° TCH 48'.

RWY 17-35: H7004X150 (ASPH-GRVD) S-60, D-185, 2S-175, 2D-300 PCN 24 F/A/X/T HIRL

RWY 17: REIL. VASI(V4L)—GA 3.0° TCH 53'. Tree.

RWY 35: MALSR. PAPI(P4L)—GA 3.0° TCH 34'. Dsplcd thld 400'.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 06: TORA-8016 TODA-8016 ASDA-8016 LDA-8016

RWY 17: TORA-7004 TODA-7004 ASDA-6204 LDA-6204

RWY 24: TORA-8016 TODA-8016 ASDA-8016 LDA-8016

RWY 35: TORA-7004 TODA-7004 ASDA-7004 LDA-6604

MILITARY SERVICE: FUEL (NC-100LL). A+ (Air Wilmington, Inc, C910-763-4691.)

AIRPORT REMARKS: Attended continuously. Aft taxiing from S ramp obtain ATC clnc prior to crossing Rwy 17-35 1100-0400Z†. Rwy 24 touchdown runway visual range avbl. **ACTIVATE REIL** Rwy 06 and Rwy 24, MALSR Rwy 24, HIRL Rwy 06-24, all twy lgtS—CTAF. Flight Notification Service (ADCUS) avbl.

WEATHER DATA SOURCES: ASOS (C910) 343-9489

COMMUNICATIONS: CTAF 119.9 ATIS 124.975 **UNICOM** 122.95

RCO 122.1R 117.0T (RALEIGH RADIO)

RCO 122.55 (RALEIGH RADIO)

Ⓡ **APP/DEP CON** 135.75 317.425 (344°-163°) 118.25 284.65 (164°-343°)(1100-0400Z†)

Ⓡ **WASHINGTON CENTER APP/DEP CON** 135.75 317.425 (0400-1100Z†)

TOWER 119.9 239.3 (1100-0400Z†) **GND CON** 121.9 348.6 **CLNC DEL** 121.9 348.6

AIRSPACE: CLASS D svc 1100-0400Z† other times CLASS E.

TRSA svc ctc **APP CON** within 20 NM.

RADIO AIDS TO NAVIGATION: NOTAM FILE ILM.

(H) **VORTAC** 117.0 ILM Chan 117 N34°21.10'W77°52.46' 205° 5.1 NM to fld. 20°/07W.

VOR portion unusable:

165°-169°

220°-273° byd 5 NM blo 17,500'

186°-219° byd 16 NM blo 3000'

274°-314° byd 5 NM

186°-219° byd 21 NM

315°-164° byd 5 NM blo 8,000'

186°-219° blo 2000'

GRAND STRAND (L) VORTAC 117.6 CRE Chan 123 N33°48.83'W78°43.47' 059° 49.3 NM to fld.

20°/03W. NOTAM FILE CRE.

AIRLI NDB (LOM) 281 IL N34°11.48'W77°51.98' 346° 5.1 NM to fld. Unmonitored when twr clsd.

WILZE NDB (LOM) 205 GM N34°20.25'W77°48.71' 236° 6.0 NM to fld.

ILS 110.3 I-ILM Rwy 35. Class IB. LOM AIRLI NDB. ILS unmonitored when twr clsd. LOC unusable byd 26° right of course.

ILS 111.55 I-GMX Rwy 24. Class IE. LOM WILZE NDB.

ILS/DME 109.95 I-GNM Chan 36(Y) Rwy 06. GS unusable byd 7° right of course.

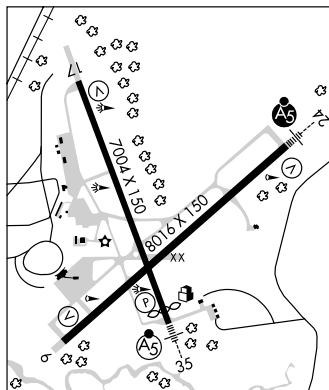
ASR

COMM/NAV/WEATHER REMARKS: Radar see Terminal FLIP for Radar Minima.

CHARLOTTE

H-9C, L-35B

DIAP, AD



LOC/DME I-GNM 109.95 Chan 36 (Y)	APP CRS 055°	Rwy Idg 8016 TDZE 28 Apt Elev 32
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ILS or LOC/DME RWY 6

WILMINGTON INTL (ILM)

ASR If local altimeter setting not received, use Cape Fear Rgnl Jetport/Howie Franklin Fld altimeter setting and increase all DAs/MDAs 60 feet. VDP NA when using Cape Fear Rgnl Jetport/Howie Franklin Fld altimeter setting.

MISSED APPROACH: Climb to 2000 via heading 055° and ILM VORTAC R-160 to ILM VORTAC and hold.

ATIS
124.975

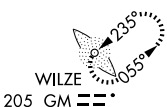
WILMINGTON APP CON ★
118.25 284.65 (164°-343°)
135.75 317.425 (344°-163°)

WILMINGTON TOWER ★
119.9 (CTAF) **239.3**

GND CON
121.9 348.6

UNICOM
122.95

ALTERNATE
MISSED APCH FIX

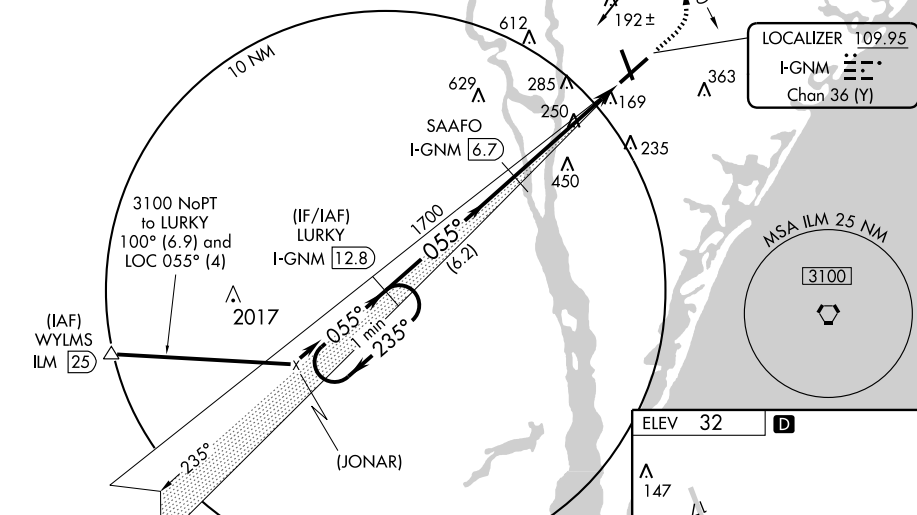


DME REQUIRED

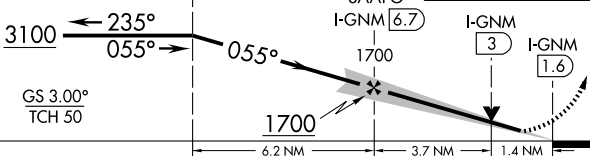
WILMINGTON
117.0 ILM
Chan 117

LOM
WILZE
205 GM

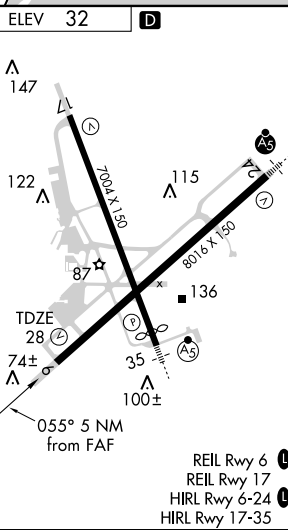
LOCALIZER 109.95
I-GNM
Chan 36 (Y)



One Minute
Holding Pattern



CATEGORY	A	B	C	D
S-ILS 6	228/40 200 (200-¾)			
S-LOC 6	500/50	472 (500-1)	500/60 472 (500-¼)	500-1½ 472 (500-1½)
CIRCLING	560-1	528 (600-1)	560-1½ 528 (600-1½)	640-2 608 (700-2)



LOC I-GMX	APP CRS	Rwy Idg	8016
111.55	235°	TDZE	26
		Apt Elev	32

ILS or LOC RWY 24

WILMINGTON INTL (ILM)

▼ If local altimeter setting not received, use Cape Fear Rgnl Jetport/Howie Franklin Fld altimeter setting and increase all DAs/MDAs 60 feet. ADF REQUIRED. Straight-in minimums NA at night when control tower closed.
▲ ASR
 * RVR 1800 authorized with the use of FD or AP or HUD to DA.

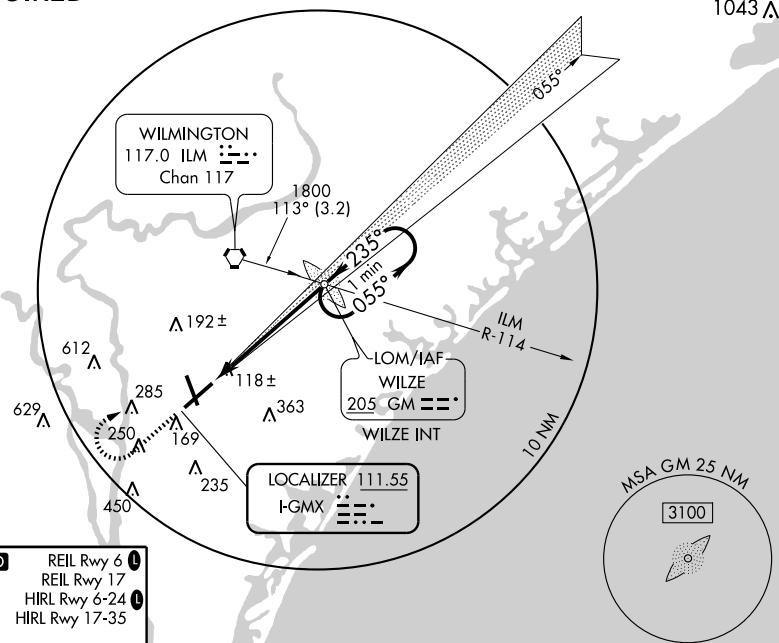
MALSR



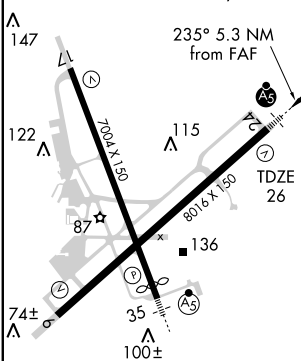
MISSED APPROACH: Climb to 500 then climbing right turn to 1800 direct WILZE LOM and hold.

ATIS	WILMINGTON APP CON *	WILMINGTON TOWER *	GND CON	UNICOM
124.975	118.25 284.65 (164°-343°) 135.75 317.425 (344°-163°)	119.9 (CTAF) 0 239.3	121.9 348.6	122.95

ADF REQUIRED



ELEV 32	D	REIL Rwy 6
		REIL Rwy 17
		HIRL Rwy 6-24
		HIRL Rwy 17-35



Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

WILMINGTON, NORTH CAROLINA

Orig-A 10266

34°16'N - 77°54'W

ILS or LOC RWY 24

LOC I-ILM 110.3	APP CRS 346°	Rwy Idg TDZE Apt Elev	6604 30 32
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ILS or LOC RWY 35

WILMINGTON INTL (ILM)

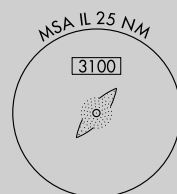
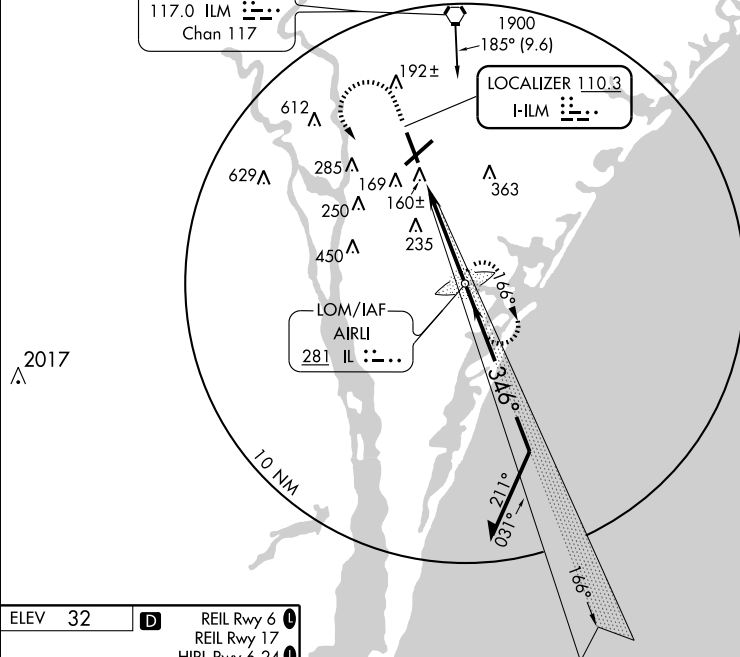
ADF REQUIRED.
* RVR 1800 authorized with the use of FD or AP or HUD to DA.



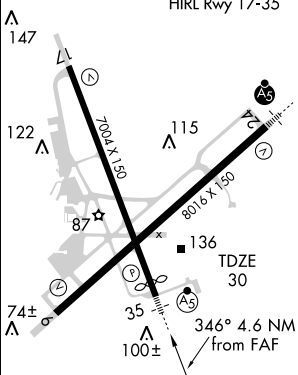
MISSED APPROACH: Climb to 600 then climbing left turn to 1800 direct IL LOM and hold.

ATIS 124.975	WILMINGTON APP CON ★ 118.25 284.65 (164°-343°) 135.75 317.425 (344°-163°)	WILMINGTON TOWER ★ 119.9 (CTAF) 239.3	GND CON 121.9 348.6	UNICOM 122.95
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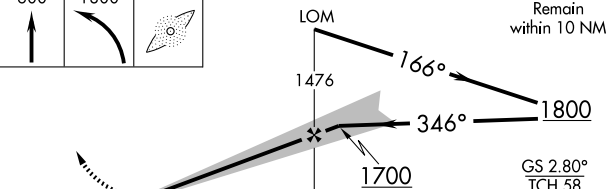
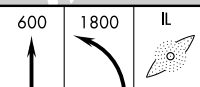
WILMINGTON
117.0 ILM
Chan 117



ELEV 32	D	REIL Rwy 6
		REIL Rwy 17
		HIRL Rwy 6-24
		HIRL Rwy 17-35



ADF or RADAR REQUIRED



CATEGORY	A	B	C	D
S-ILS 35	* 230/24 200 (200-½)			
S-LOC 35	420/24 390 (400-½)			420/40 390 (400-¾)
CIRCLING	540-1 508 (600-1)		540-1½ 508 (600-1½)	640-2 608 (700-2)

WAAS CH 86599 W06A	APP CRS 055°	Rwy Idg 8016 TDZE 28 Apt Elev 32
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RNAV (GPS) RWY 6

WILMINGTON INTL (ILM)

T For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (120°F). DME/DME RNP-0.3 NA. Straight-in minimums NA at night when control tower closed.

A VDP and Baro-VNAV NA when using Oak Island altimeter setting. If local altimeter setting not received, use Oak Island altimeter setting and increase all DAs 52 feet and all MDAs 60 feet.

ASR

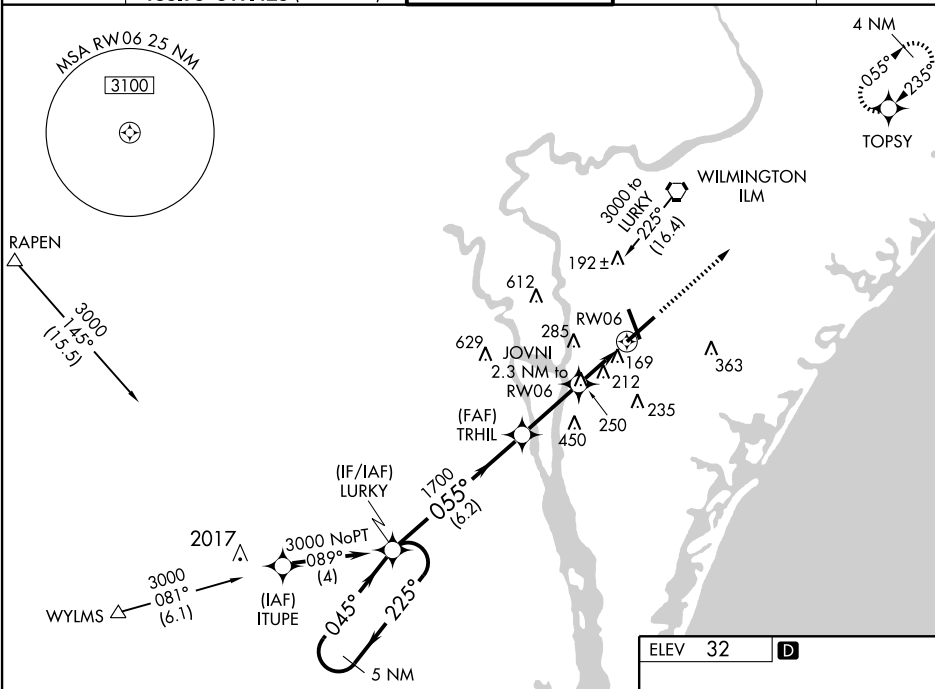
MISSED APPROACH: Clim to 2000 direct TOPSY and hold

ATIS
124.975

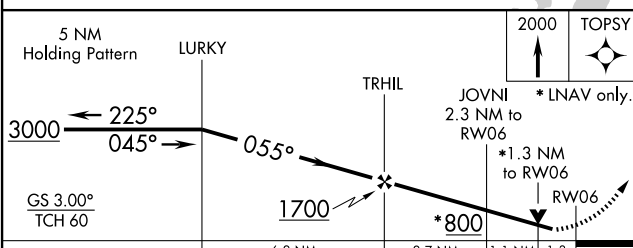
WILMINGTON APP CON ★
118.25 284.65 (164°-343°)
135.75 317.425 (344°-163°)

WILMINGTON TOWER★
119.9(CTAF) **L** 239.3

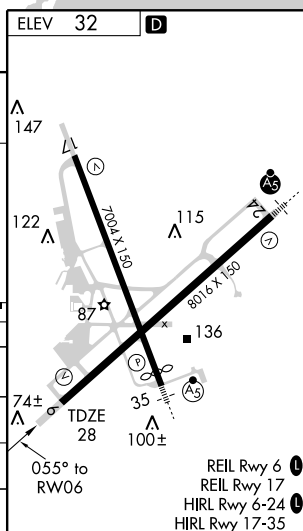
GND CON
121.9 348.6

UNICOM
122.95

SE-2. 21 OCT 2010 to 18 NOV 2010



CATEGORY	A	B	C	D
LPV DA	300-1 272 (300-1)			
LNAV/ VNAV DA	587-2 559 (600-2)			
LNAV MDA	480-1 452 (500-1)	480-1¼ 452 (500-1¼)	480-1½ 452 (500-1½)	
CIRCLING	560-2 528 (600-2)			600-2 568 (600-2)



WILMINGTON, NORTH CAROLINA

Amdt 1 10154

34°16'N - 77°54'W

WILMINGTON INTL (ILM)
RNAV (GPS) RWY 6

WAAS CH 90499 W17A	APP CRS 166°	Rwy Idg 6204 TDZE 32 Apt Elev 32
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RNAV (GPS) RWY 17

WILMINGTON INTL (ILM)

ASR DME/DME RNP-0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (119°F). If local altimeter setting not received, use Oak Island altimeter setting and increase all DAs 52 feet and all MDAs 60 feet. VDP and Baro-VNAV NA when using Oak Island altimeter setting.

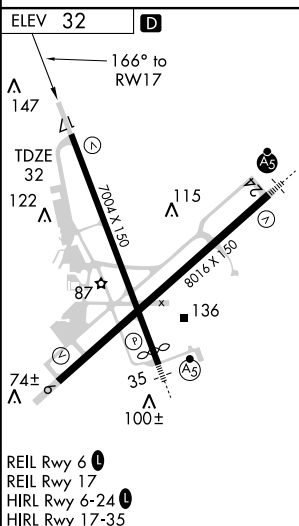
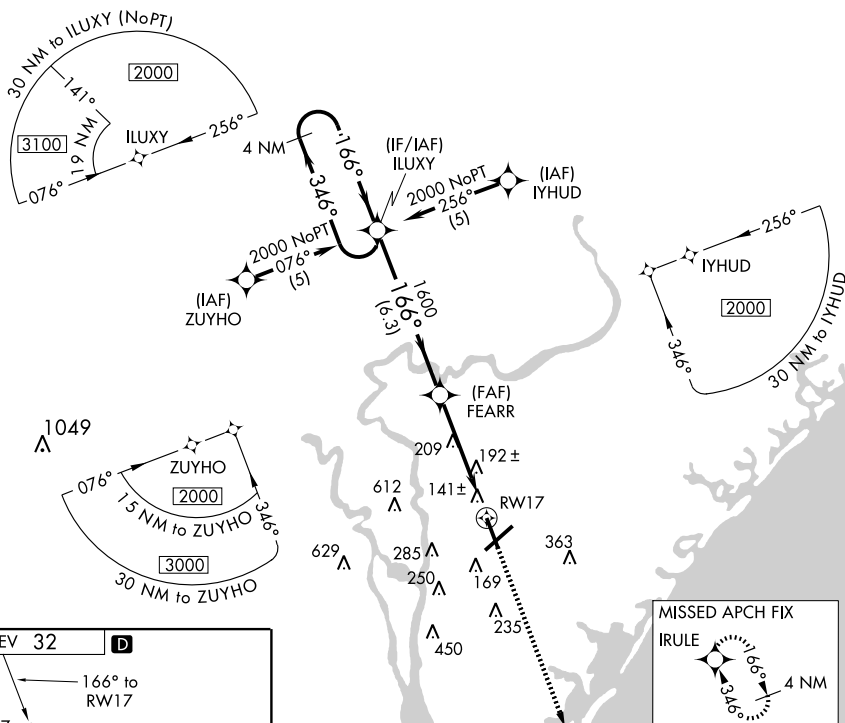
MISSED APPROACH: Climb to 1700 direct **IRULE** and hold.

ATIS
124.975

WILMINGTON APP CON ★
118.25 284.65 (164°-343°)
135.75 317.425 (344°-163°)

WILMINGTON TOWER★
119.9 (CTAF) **L** 239.3

GND CON
121.9 348.6

UNICOM
122.95[illegible]

WILMINGTON, NORTH CAROLINA

Amdt 1 10154

34°16'N - 77°54'W

WILMINGTON INTL (ILM)

RNAV (GPS) RWY 17

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

WAAS CH 45899 W24A	APP CRS 235°	Rwy Idg 8016 TDZE 26 Apt Elev 32
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RNAV (GPS) RWY 24

WILMINGTON INTL (ILM)

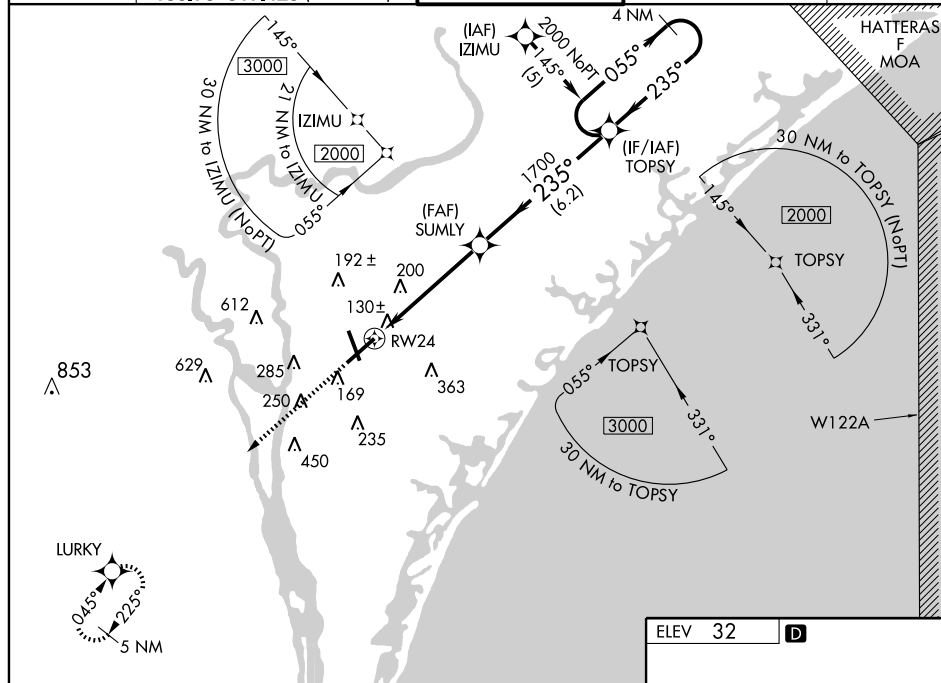
▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (120°F). DME/DME RNP-0.3 NA. Straight-in minimums NA at night when control tower closed. If local altimeter setting not received, use Oak Island altimeter setting and increase all DAs 52 feet and all MDAs 60 feet. ASR VDP and Baro-VNAV NA when using Oak Island altimeter setting.

MALSR



MISSED APPROACH: Climb to 3000 direct LURKY and hold.

ATIS 124.975	WILMINGTON APP CON ★ 118.25 284.65 (164°-343°) 135.75 317.425 (344°-163°)	WILMINGTON TOWER ★ 119.9 (CTAF) 239.3	GND CON 121.9 348.6	UNICOM 122.95
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3000

↑

LURKY

✦

TOPSY

4 NM Holding Pattern

*LNAV Only

*1.3 NM to RW24

RW24

SUMLY

1700

235°

055°

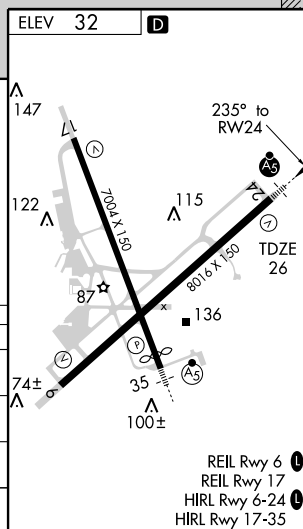
235°

2000

GS 3.00°

TCH 55

CATEGORY	A	B	C	D
LPV DA	367-1¼ 341 (400-1¼)			
LNAV/VNAV DA	405-1¼ 379 (400-1¼)			
LNAV MDA	500-1 474 (500-1)	500-1¼ 474 (500-1¼)	500-1½ 474 (500-1½)	
CIRCLING	560-1¼ 528 (600-1¼)	560-1½ 528 (600-1½)	600-2 568 (600-2)	



WAAS CH 50499 W35A	APP CRS 346°	Rwy Idg 6604 TDZE 30 Apt Elev 32
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RNAV (GPS) RWY 35

WILMINGTON INTL (ILM)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (120°F). DME/DME RNP-0.3 NA. If local altimeter setting not received, use Oak Island altimeter setting and increase all DAs 52 feet and all MDAs 60 feet. VDP and Baro-VNAV NA when using Oak Island altimeter setting. For inoperative MALSR, increase LPV all Cals visibility to RVR 6000.



MISSED APPROACH: Climb to 3000 direct ILUXY and hold.

ATIS
124.975

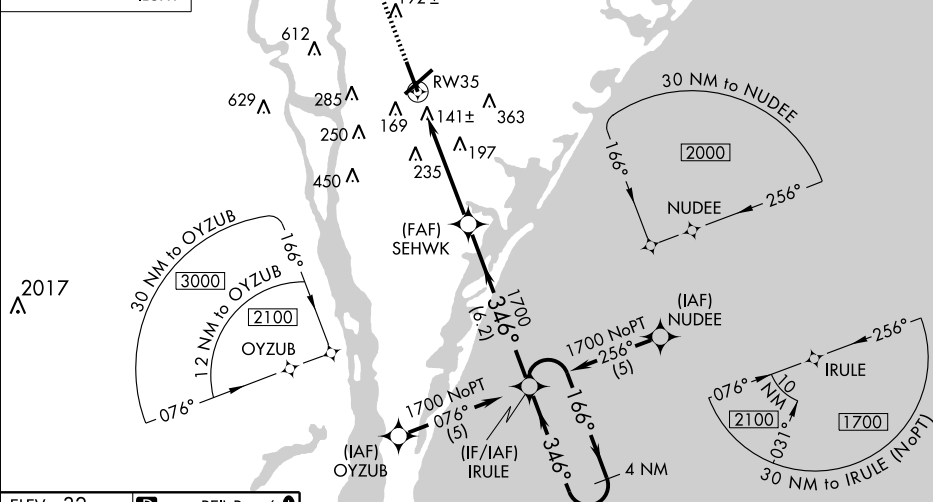
WILMINGTON APP CON ★
118.25 284.65 (164°-343°)
135.75 317.425 (344°-163°)

WILMINGTON TOWER ★
119.9 (CTAF) **239.3**

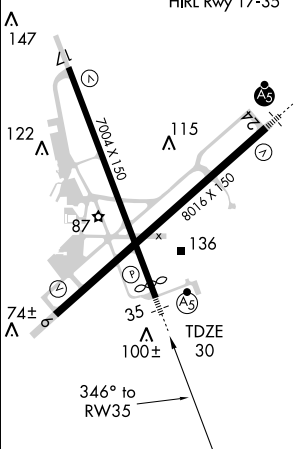
GND CON
121.9 348.6

UNICOM
122.95

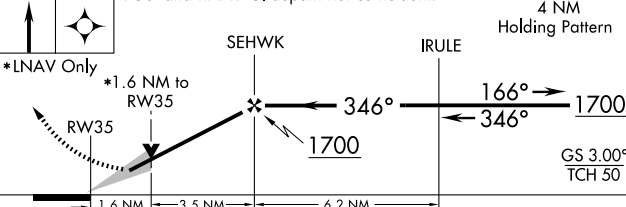
MISSED APCH FIX



ELEV 32 **D** REIL Rwy 6
REIL Rwy 17
HIRL Rwy 6-24
HIRL Rwy 17-35



3000 ILUXY VGSI and RNAV Glidepath not coincident.



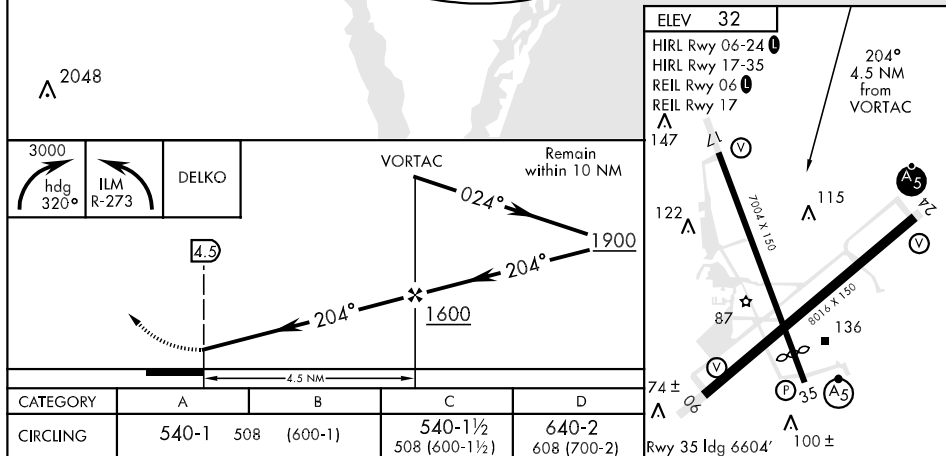
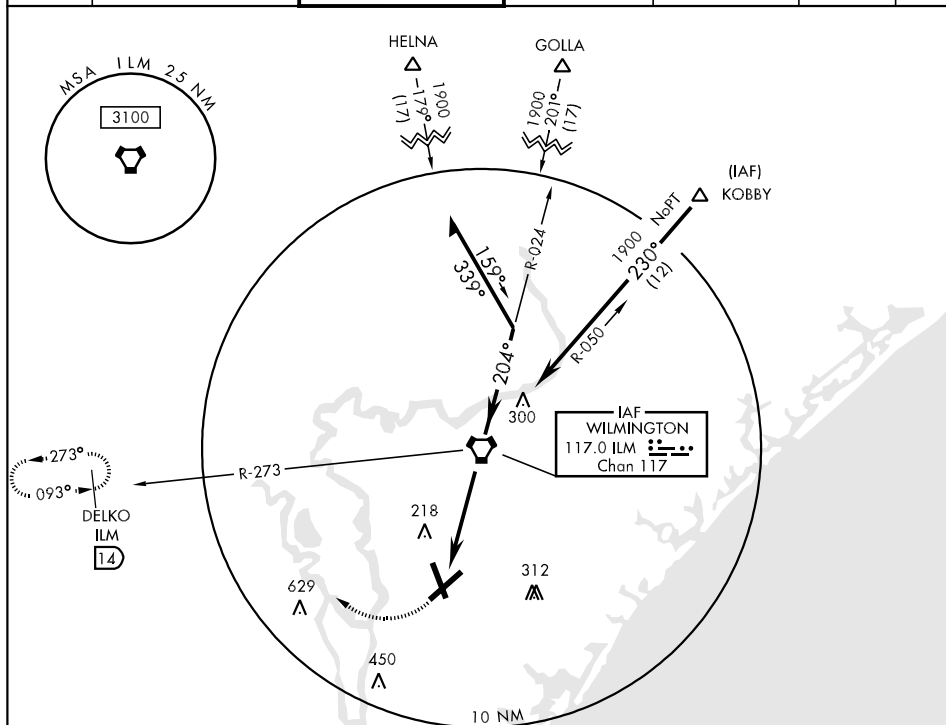
CATEGORY	A	B	C	D
LPV DA	351/40 321 (400-¾)			
LNAV/VNAV DA	471/50 441 (500-1)			
LNAV MDA	500/24 470 (500-½)	500/40 470 (500-¾)	500/50 470 (500-1)	600-2 568 (600-2)
CIRCLING	560-1½	528 (600-1½)		

VORTAC ILM 117.0 Chan 117	APCH CRS 204°	Rwy Idg TDZE Arprt Elev	N/A N/A 32
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AL-459 [USN]

WILMINGTON INTL (KILM)

				MISSED APPROACH: Climbing right turn to 3000 via hdg 320° and ILM VORTAC R-273 to DELKO int and hold.		
ATIS 124.975	WILMINGTON APP CON 135.75 317.425	WILMINGTON TOWER ★ 119.9 (CTAF) 0 239.3	GND CON 121.9 348.6	CLNC DEL 121.9 348.6	UNICOM 122.95	ASR



WILMINGTON, NORTH CAROLINA

34° 16' N-77° 54' W

WILMINGTON INTL (KILM)

Orig-A 10266

TACAN-A

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

WILSON INDUSTRIAL AIR CENTER (W03) 3 N UTC-5(-4DT) N35°46.22' W77°58.19'CHARLOTTE
L-35B, 36G
IAP

161 B FUEL 100LL, JET A1+ NOTAM FILE RDU

RWY 03-21: H4500X150 (ASPH) S-20 MIRL

RWY 03: REIL. PAPI(P2L)—GA 3.54°TCH 40'. Trees.

RWY 21: REIL. PAPI(P2L)—GA 3.81°TCH 40'. Trees.

RWY 09-27: H4500X150 (ASPH) S-20

RWY 09: Trees. RWY 27: Trees.

RWY 15-33: H4499X150 (ASPH) S-20

RWY 15: Trees. RWY 33: Trees.

AIRPORT REMARKS: Attended 1300-2300Z \ddagger . For svc after hrs call 252-904-9706. Deer on and invof arpt. No line-of-sight between rwy ends. MIRL Rwy 03-21 preset low ints; to increase ints and ACTIVATE PAPI and REIL Rwys 03 and 21—CTAF.

COMMUNICATIONS: CTAF/UNICOM 123.0

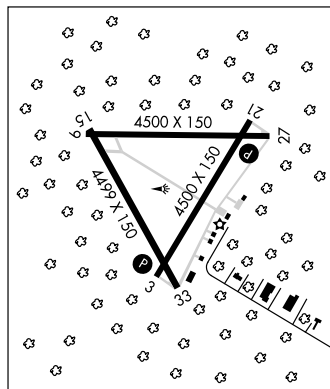
⑧ WASHINGTON CENTER APP/DEP CON 118.475

GCO 121.725 (FLIGHT SERVICES)

RADIO AIDS TO NAVIGATION: NOTAM FILE RDU.

TAR RIVER (L) VORTAC 117.8 TYI Chan 125 N35°58.61'

W77°42.23' 231° 17.9 NM to fld. 70/05W.

COMM/NAV/WEATHER REMARKS: GCO OTS indef.**WILSON'S** (See HICKORY)**WILZE** N34°20.25' W77°48.71' NOTAM FILE ILM.

CHARLOTTE

NDB (LOM) 205 GM 236° 6.0 NM to Wilmington Intl.

WINGATE**US HELIPORT** (N46) 3 N UTC-5(-4DT) N34°59.06' W80°25.15'

CHARLOTTE

590 S4 FUEL JET A NOTAM FILE RDU

HELIPAD H1: 100X100 (TURF)

HELIPORT REMARKS: Attended Mon-Fri 1300-2200Z \ddagger . PPR weekdays 2200Z \ddagger -SR and weekends/holidays, call 704-233-4254. PPR for ngt ops. Unmarked p-lines N and S of pad. Helicopters with gross weight over 10,000 pounds use TURF W of CONC pad but within fenced area. Tkf and ldg in all quadrants into prevailing wind.

COMMUNICATIONS: CTAF/UNICOM 123.075

APP CRS **038°**
Rwy ldg **4500**
TDZE **156**
Apt Elev **161**

RNAV (GPS) RWY 3

WILSON INDUSTRIAL AIR CENTER (WØ3)

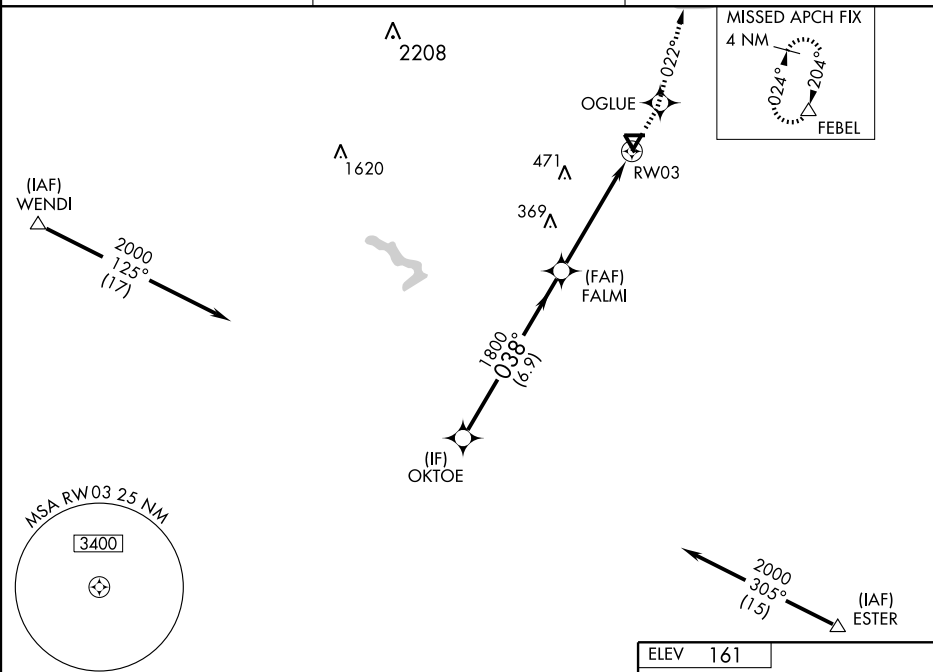
NA Circling to Rwy 9, 15, 27, 33 NA at night. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Obtain local altimeter setting on CTAF; when not received use Rocky Mount altimeter setting.

MISSED APPROACH: Climb to 2500 direct OGLUE then via 022° track to FEBEL and hold.

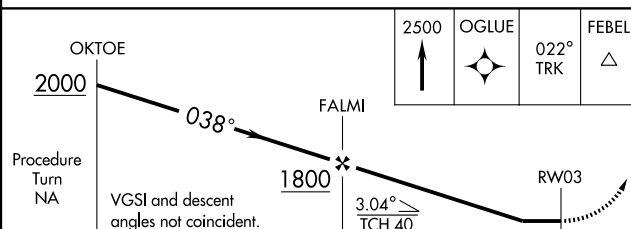
WASHINGTON CENTER
118.475 279.65

UNICOM
123.0 (CTAF) 0

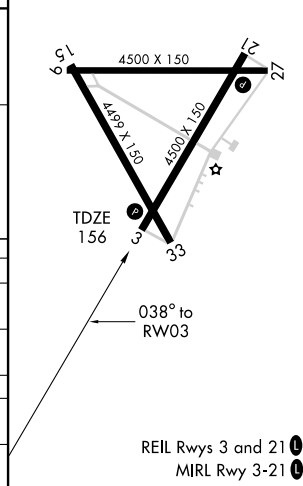
GCO
121.725



ELEV **161**



CATEGORY	A	B	C	D
LNAV MDA	560-1	404 (400-1)	560-1¼	404 (400-1¼)
CIRCLING	660-1	499 (500-1)	660-1½ 499 (500-1½)	720-2 559 (600-2)
ROCKY MOUNT ALTIMETER SETTING MINIMUMS				
LNAV MDA	580-1	424 (500-1)	580-1¼	424 (500-1¼)
CIRCLING	680-1	519 (600-1)	680-1½ 519 (600-1½)	720-2 559 (600-2)



APP CRS	Rwy Idg	4500
095°	TDZE	161
	Apt Elev	161

RNAV (GPS) RWY 9

WILSON INDUSTRIAL AIR CENTER (W03)

▼ DME/DME RNP-0.3 NA. Procedure NA at night. Visibility reduction by helicopters NA. Obtain local altimeter setting on CTAF; when not received use Rocky Mount altimeter setting.

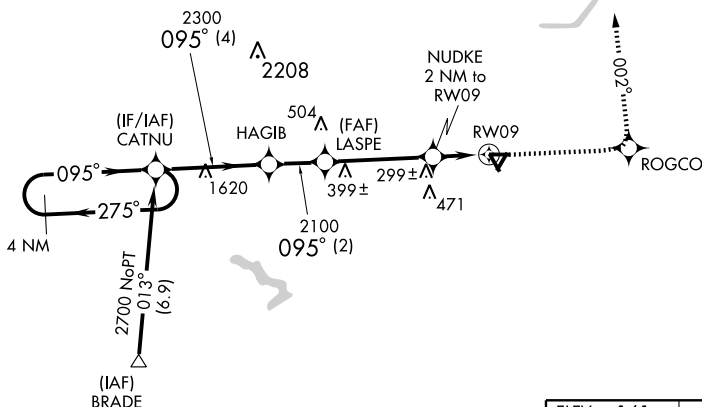
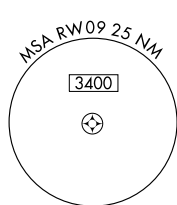
▲ NA

MISSED APPROACH: Climb to 2500 direct ROGCO then left turn via 002° track to FEBEL and hold.

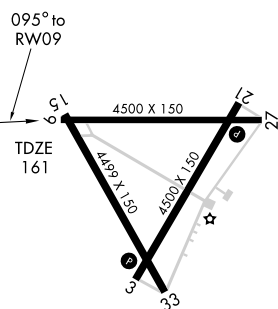
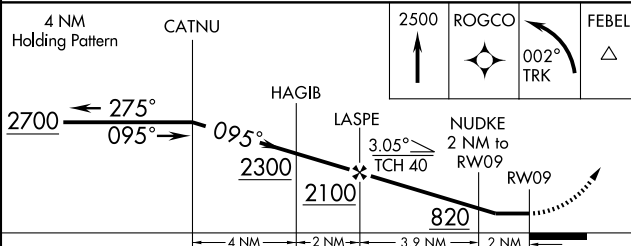
WASHINGTON CENTER
118.475 279.65

UNICOM
123.0 (CTAF) 0

GCO
121.725



ELEV 161



CATEGORY	A	B	C	D
LNAV MDA	560-1	399 (400-1)		560-1¼ 399 (400-1¼)
CIRCLING	660-1	499 (500-1)	660-1½ 499 (500-1½)	720-2 559 (600-2)
ROCKY MOUNT ALTIMETER SETTING MINIMUMS				
LNAV MDA	580-1	419 (500-1)	580-1¼	419 (500-1¼)
CIRCLING	680-1	519 (600-1)	680-1½ 519 (600-1½)	720-2 559 (600-2)

REIL Rwy 3 and 21 **0**
MIRL Rwy 3-21 **0**

APP CRS 158°	Rwy Idg TDZE Apt Elev	4499 161 161
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RNAV (GPS) RWY 15

WILSON INDUSTRIAL AIR CENTER (W03)

NA DME/DME RNP-0.3 NA. Procedure NA at night. Visibility reduction by helicopters NA. Obtain local altimeter setting on CTAF; when not received use Rocky Mount altimeter setting.

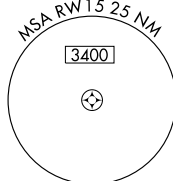
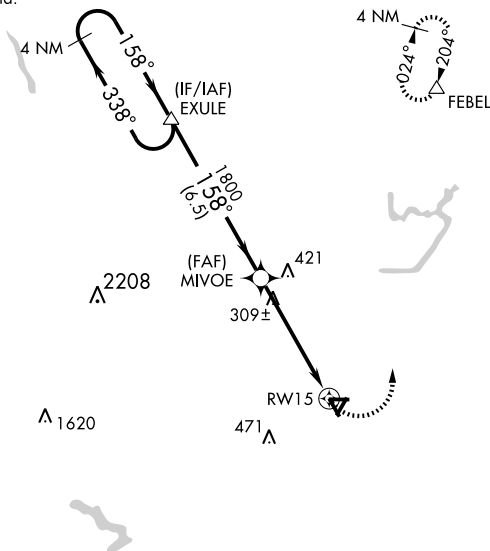
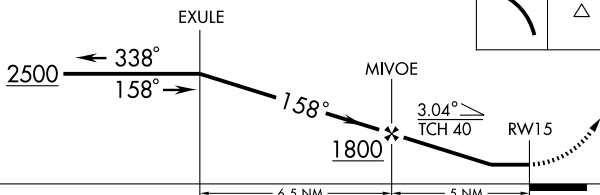
MISSED APPROACH: Climbing left turn to 2500 direct FEBEL and hold.



WASHINGTON CENTER
118.475 279.65

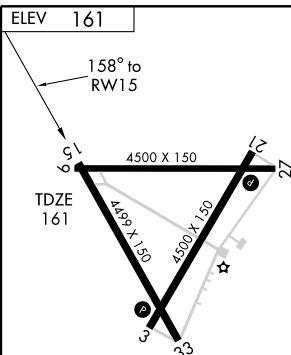
UNICOM
123.0 (CTAF) **L**

GCO
121.725

NoPT for arrival at EXULE
on V194-310 eastbound.

4 NM
Holding Pattern

2500	FEBEL
	



CATEGORY	A	B	C	D
LNAV MDA	560-1 399 (400-1)			560-1¼ 399 (400-1¼)
CIRCLING	660-1 499 (500-1)		660-1½ 499 (500-1½)	720-2 559 (600-2)
ROCKY MOUNT ALTIMETER SETTING MINIMUMS				
LNAV MDA	580-1 419 (500-1)		580-1¼ 419 (500-1¼)	
CIRCLING	680-1 519 (600-1)		680-1½ 519 (600-1½)	720-2 559 (600-2)

REIL Rwy 3 and 21 **L**
MIRL Rwy 3-21 **L**

WILSON, NORTH CAROLINA
Amdt 1A 09127

WILSON INDUSTRIAL AIR CENTER (W03)
BNAV (CPS) BNAV 1.5

RNAV (GPS) RWY 15

35°46'N - 77°58'W

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy Idg	4500
204°	TDZE	159
	Apt Elev	161

RNAV (GPS) RWY 21

WILSON INDUSTRIAL AIR CENTER (W03)

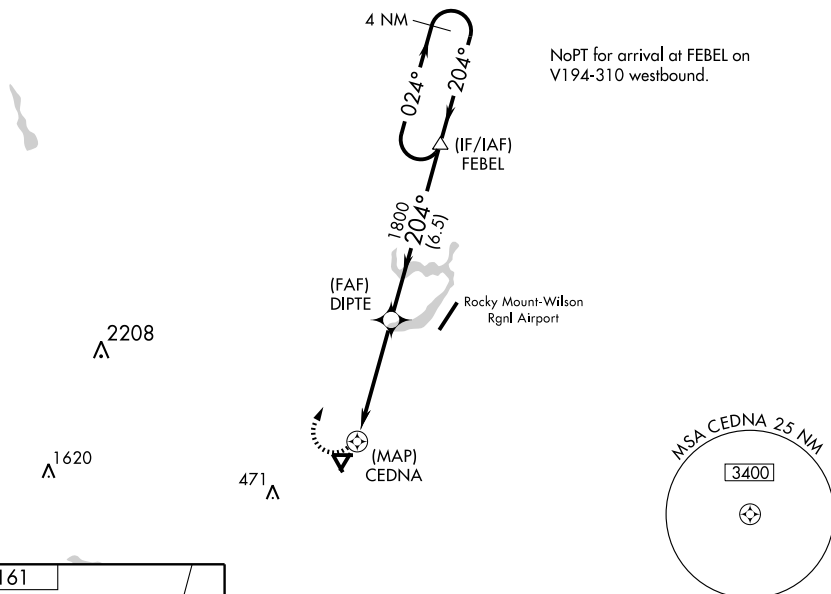
▼ Obtain local altimeter setting on CTAF; when not received use Rocky Mount-Wilson Rgnl altimeter setting. DME/DME RNP-0.3 NA.
 ▲ NA Circling NA at night to Rwy 9, 27, 15, 33.

MISSED APPROACH: Climbing right turn to 2500 direct FEBEL WP and hold.

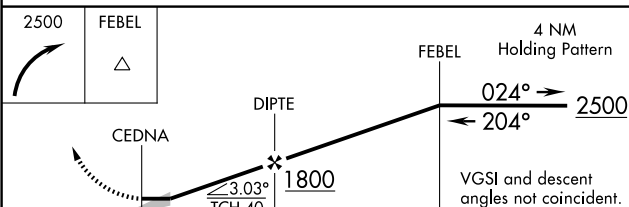
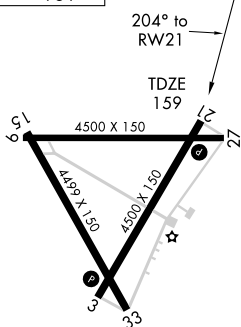
WASHINGTON CENTER
118.475 279.65

UNICOM
123.0 (CTAF) 0

GCO
121.725



ELEV 161



CATEGORY	A	B	C	D
LNAV MDA	560-1 401 (400-1)		560-1¼ 401 (400-1¼)	
CIRCLING	660-1 499 (500-1)		660-1½ 499 (500-1½)	720-2 559 (600-2)
ROCKY MOUNT-WILSON RGNL ALTIMETER SETTING MINIMUMS				
LNAV MDA	560-1 401 (400-1)		560-1¼ 401 (400-1¼)	
CIRCLING	680-1 519 (600-1)		680-1½ 519 (600-1½)	720-2 559 (600-2)

REIL Rwy 3 and 21
 MRL Rwy 3-21

APP CRS	Rwy Idg	4499
339°	TDZE	157
	Apt Elev	161

RNAV (GPS) RWY 33

WILSON INDUSTRIAL AIR CENTER (W03)

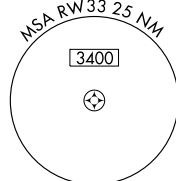
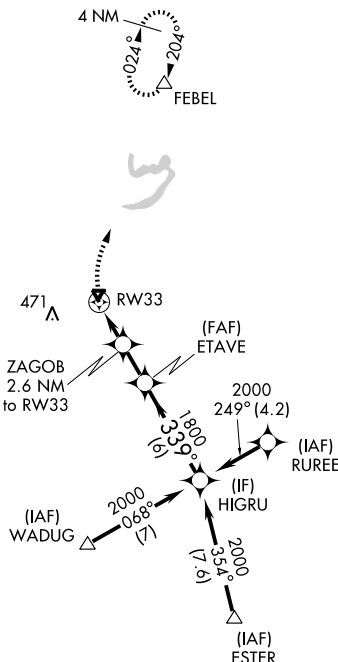
T Obtain local altimeter setting on CTAF; when not received use Rocky Mount-Wilson Rgnl altimeter setting. Straight-in minimums NA at night.
Δ NA DME/DME RNP-0.3 NA. Circling NA at night to Rwy 9, 27, 15, 33.

MISSED APPROACH: Climbing right turn to 2500 direct FEBEL WP and hold.

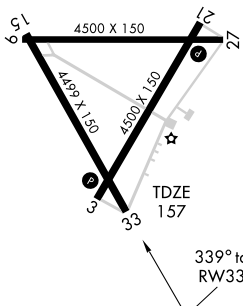
WASHINGTON CENTER
118.475 279.65

UNICOM
123.0 (CTAF)

GCO
121.725



ELEV **161**



REIL Rwy 3 and 21
 MRL Rwy 3-21

	2500	FEBEL				HIGRU	2000
						ETAVE	
						1800	
						339°	
						1020	
						3.04°	
						TCH 40	
						2.6 NM	
						2.4 NM	
						6 NM	
CATEGORY	A	B	C	D			
RNAV MDA	640-1	483 (500-1)	640-1 1/4 483 (500-1 1/4)	640-1 1/2 483 (500-1 1/2)			
CIRCLING	660-1	499 (500-1)	660-1 1/2 499 (500-1 1/2)	720-2 559 (600-2)			
ROCKY MOUNT-WILSON RGNL ALTIMETER SETTING MINIMUMS							
RNAV MDA	660-1	503 (500-1)	660-1 1/2	503 (500-1 1/2)			
CIRCLING	680-1	519 (600-1)	680-1 1/2 519 (600-1 1/2)	720-2 559 (600-2)			

AIRPORT DIAGRAM

AL-463 (FAA)

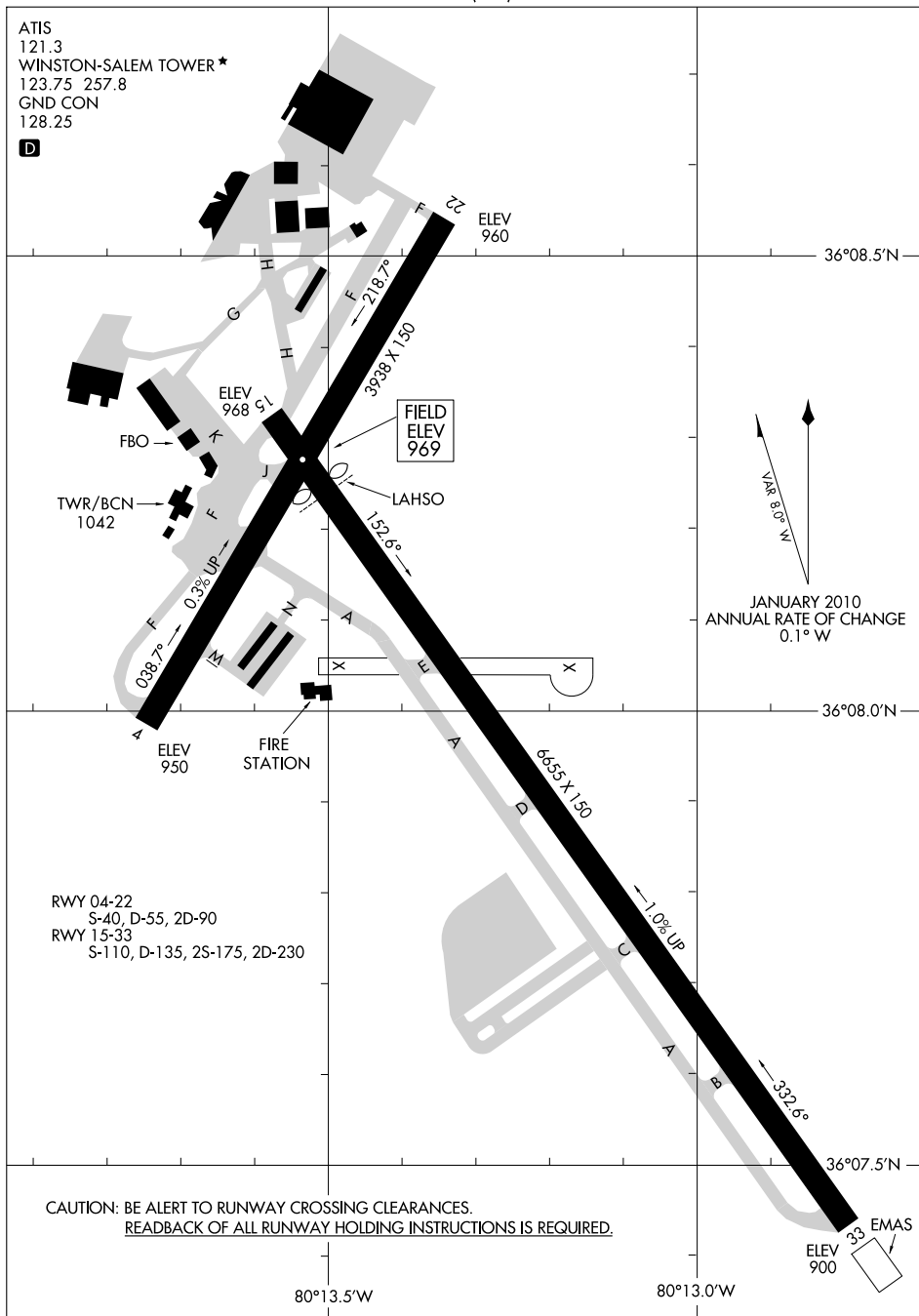
WINSTON-SALEM /SMITH REYNOLDS (INT')

WINSTON-SALEM, NORTH CAROLINA

ATIS
121.3
WINSTON-SALEM TOWER ★
123.75 257.8
GND CON
128.25

D

SE-2, 21 OCT 2010 to 18 NOV 2010



SE-2, 21 OCT 2010 to 18 NOV 2010

AIRPORT DIAGRAM

WINSTON-SALEM, NORTH CAROLINA
WINSTON-SALEM /SMITH REYNOLDS (INT')

WINSTON SALEM**SMITH REYNOLDS** (INT) 3 NE UTC-5(-4DT) N36°08.02' W80°13.32'

CINCINNATI

969 B S4 FUEL 100LL, JET A OX 1, 2, 3, 4 LRA ARFF Index—See Remarks
NOTAM FILE INTH-9B, 12H, L-25D, 36F
IAP, AD

RWY 15-33: H6655X150 (ASPH-GRVD) S-110, D-135, 2S-175, 2D-230 HIRL 1.0% up NW

RWY 15: REIL. PAPI(P4L)—GA 3.0°TCH 36'. Thld dspcd 586'. Bldg.

RWY 33: MALSR.

RWY 04-22: H3938X150 (ASPH) S-40, D-55, 2D-90 MIRL 0.3% up NE

RWY 04: Trees. RWY 22: PAPI(P2L)—GA 3.0°TCH 39'. Trees.

LAND AND HOLD SHORT OPERATIONS

LANDING	HOLD SHORT POINT	DIST AVBL
RWY 33	04-22	6010

RUNWAY DECLARED DISTANCE INFORMATION

RWY 04: TORA-3938	TODA-3938	ASDA-3938	LDA-3938
RWY 15: TORA-6655	TODA-6655	ASDA-6655	LDA-6069
RWY 22: TORA-3938	TODA-3938	ASDA-3938	LDA-3938
RWY 33: TORA-6655	TODA-6655	ASDA-6655	LDA-6655

ARRESTING GEAR/SYSTEM

RWY 15: EMAS

RWY 33: EMAS

AIRPORT REMARKS: Attended continuously. Class IV, ARFF Index A. CLOSED to air carrier opr with more than 30 passenger seats 0400-1200Z† except 24 hr PPR. ARFF Index B coverage also avbl, call arpt manager 336-767-6361. Boeing 727-200 series are restricted to rwy 15-33, terminal ramp, and Twy A and Twy F only. Rwy 33 touchdown rwy visual range avbl. HIRL Rwy 15-33 preset on med ints when twr clsd, MIRL Rwy 04-22 unavailable when twr clsd. When twr clsd ACTIVATE REIL Rwy 15 and MALSR Rwy 33—CTAF. Flight Notification Service (ADCUS) avbl.

WEATHER DATA SOURCES: ASOS (336) 661-3096. LAWRs.**COMMUNICATIONS:** CTAF 123.75 ATIS 121.3 UNICOM 122.95

® GREENSBORO APP/DEP CON 124.35

WINSTON SALEM TOWER 123.75 (1145-0230Z†) GND CON 128.25

AIRSPACE: CLASS D svc 1145-0230Z† other times CLASS G.**RADIO AIDS TO NAVIGATION:** NOTAM FILE GSO.

GREENSBORO (H) VORTAC 116.2 GSO Chan 109 N36°02.74' W79°58.58' 297° 13.1 NM to fld. 879/03W. HIWAS.

REENO NDB (LOM) 317 IN N36°04.26' W80°10.01' 332° 4.6 NM to fld. Unmonitored when twr clsd.

ILS 110.3 I-INT Rwy 33. Class IB. LOM REENO NDB. GS unusable byd 7° left and byd 4° right of course.

WOODVILLE N36°15.78' W76°17.88' NOTAM FILE ECG.

WASHINGTON

NDB (MHW) 254 LLW 101° 6.0 NM to Elizabeth City CG Air Station/Rgnl.

L-35C

WRIGHT BROTHERS N35°55.23' W75°41.82' NOTAM FILE MQI.

CHARLOTTE

(T) VORW/DME 111.6 RBX Chan 53 at Dare Co Rgnl. 10/08W.

L-35D

VOR unusable 281°-318° blo 8000', 319° blo 4000' and 320°-280°. Unmonitored 2300-1300Z†.

YADKINVILLE**LONE HICKORY** (80C) 6 S UTC-5(-4DT) N36°03.08' W80°41.37'

CINCINNATI

1000 NOTAM FILE RDU Not insp.

RWY 16-34: 2000X60 (TURF)

RWY 16: Road. RWY 34: Trees.

AIRPORT REMARKS: Attended irregularly. Call 336-463-4680. Acft opr from Piney Ridge Arpt 1.3 mi northwest. Acft parked 90' from centerline at rwy mid point. Rwy 16-34 has 3% grade, winds permitting tkf Rwy 34 and ldg Rwy 16. P-lines 500'-1000' north Rwy 16 thld. No flt training or student pilots only experienced pilots permitted.

Rwy 34 dep make left turn for noise and obstruction avoidance.

COMMUNICATIONS: CTAF 122.9**YANCEYVILLE****CASWELL** (6W4) 2 W UTC-5(-4DT) N36°23.98' W79°23.57'

CINCINNATI

648 NOTAM FILE RDU

RWY 04-22: 1735X150 (TURF)

RWY 04: Brush. RWY 22: Trees.

AIRPORT REMARKS: Unattended. Deer on and invov arpt. Model acft activity on arpt. Rwy 04-22 +50'-70' trees along both sides of rwy. Occasional nighttime military ops. Rwy 04-22 marked with yellow cones.

COMMUNICATIONS: CTAF 122.9**ZEPHYR** N36°18.79' W80°43.40' NOTAM FILE RDU.

CINCINNATI

NDB (MHW) 326 ZEF 242° 3.6 NM to Elkin Muni. L-25C

BLOCC ONE ARRIVAL (BLOCC.BLOCC1)

GREENSBORO, NORTH CAROLINA

GREENSBORO ATIS

128.55

WINSTON-SALEM ATIS

121.3

GREENSBORO APP CON

124.35 269.225 (250°-049°)

118.5 327.075 (050°-249°)

SMITH
REYNOLDSPIEDMONT TRIAD
INTL

RALEIGH-DURHAM

117.2 RDU

Chan 119

GREENSBORO

116.2 GSO

Chan 109

N36°02.74'

W79°58.58'

R-152

33200

(35)

BLOCC

N35°32.93' - W79°36.56'

TURBOJET VERTICAL NAVIGATIONPLANNING INFORMATION

Expect clearance to cross at

11,000 and 250K.

VACUM

N35°27.93'

W79°36.24'

(15)

(20)

(15)

11,000

360°

(15)

SANDHILLS

111.8 SDZ

Chan 55

N35°12.93' - W79°35.28'

R-225

(35)

R-5311 A, B, C

TENNI

N34°46.90' - W80°03.81'

TURBOJET VERTICAL NAVIGATIONPLANNING INFORMATION

Expect clearance to cross at FL210.

11,000

043°

(74)

R-332

FLORENCE

115.2 FLO

Chan 99

COLUMBIA

114.7 CAE

Chan 94

N33°51.44' - W81°03.23'

L-24, H-9-12

NOTE: DME Required.

NOTE: Chart not to scale.

COLUMBIA TRANSITION (CAE.BLOCC1): From over CAE VORTAC via CAE R-043 and SDZ R-225 to SDZ VORTAC, then via SDZ R-360 to BLOCC INT. Thence. . .

. . . .From over BLOCC INT via GSO R-152 to GSO VORTAC. Expect radar vectors to final approach course.

BLOCC ONE ARRIVAL (BLOCC.BLOCC1)

GREENSBORO, NORTH CAROLINA

BROOK TWO ARRIVAL (BROOK.BROOK2)

GREENSBORO, NORTH CAROLINA

GREENSBORO ATIS

128.55

WINSTON-SALEM ATIS

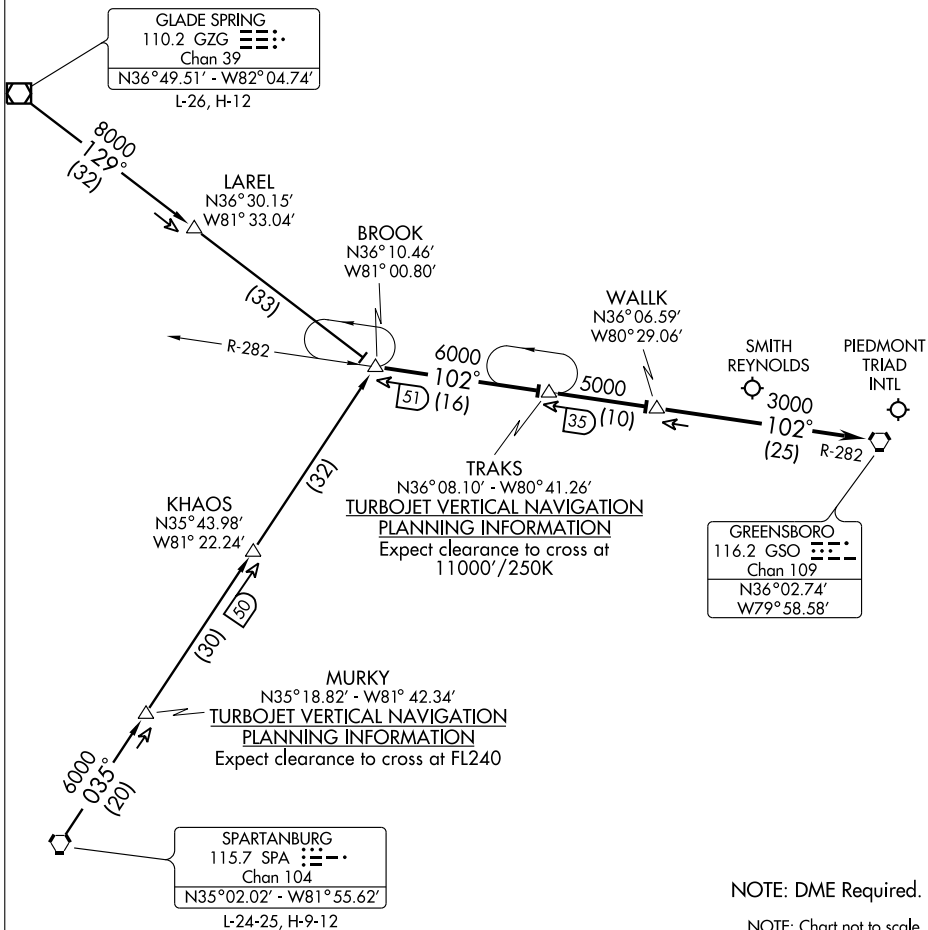
121.3

GREENSBORO APP CON

124.35 269.225 (250°-049°)

118.5 327.075 (050°-249°)

SE-2, 21 OCT 2010 to 18 NOV 2010



SE-2, 21 OCT 2010 to 18 NOV 2010

GLADE SPRING TRANSITION (GZG.BROOK2): From over GZG VOR/DME via GZG R-129 to BROOK INT. Thence. . . .

SPARTANBURG TRANSITION (SPA.BROOK2): From over SPA VORTAC via SPA R-035 to BROOK INT. Thence. . . .

. . . .From over BROOK INT via GSO R-282 to GSO VORTAC. Expect radar vectors to final approach course.

BROOK TWO ARRIVAL (BROOK.BROOK2)

GREENSBORO, NORTH CAROLINA

HENBY TWO ARRIVAL (HENBY.HENBY2)

GREENSBORO, NORTH CAROLINA

GREENSBORO ATIS

128.55


WINSTON-SALEM ATIS


121.3

GREENSBORO APP CON

124.35 269.225 (250°-049°)

118.5 327.075 (050°-249°)

ROANOKE
109.4 ROA 
Chan 31
N37°20.61' - W80°04.23'
L-26, H-10-12

LYNCHBURG
109.2 LYH 
Chan 29
N37°15.28' - W79°14.19'
L-26-36, H-10-12



MAA FL310

MAA FL310
*4000
235°
(50)181°
(37)

11 NM

HENBY

N36°43.17' - W80°01.49'
Turbojets expect clearance
to cross at 12,000'.


180°
(40)SMITH
REYNOLDS 

R-360

PIEDMONT
TRIAD
INTL 

NOTE: DME Required.

NOTE: Chart not to scale.

GREENSBORO
116.2 GSO 
Chan 109
N36°02.74' - W79°58.58'

LYNCHBURG TRANSITION (LYH.HENBY2): From over LYH VORTAC via LYH R-235 to HENBY INT. Thence. . .

ROANOKE TRANSITION (ROA.HENBY2): From over ROA VORTAC via ROA R-181 to HENBY INT. Thence. . .

. . . From over HENBY INT via GSO R-360 to GSO VORTAC. Expect radar vectors to final approach course.

HENBY TWO ARRIVAL (HENBY.HENBY2)

GREENSBORO, NORTH CAROLINA

LOC I-INT	APP CRS	Rwy Idg	6655
<u>110.3</u>	332°	TDZE	941
		Apt Elev	969

ILS or LOC RWY 33

WINSTON-SALEM / SMITH REYNOLDS (INT)

▼ For inoperative MALSR, when using Piedmont Triad Intl altimeter setting, increase S-ILS 33 visibility to RVR 5000 all Cats. When local altimeter setting not received, use Piedmont Triad Intl altimeter setting and increase all DA 39 feet and all MDA 40 feet; increase S-LOC 33 Cat. C visibility to RVR 4000 and Circling Cat. D $\frac{1}{2}$ mile. ADF Required.

MALSR



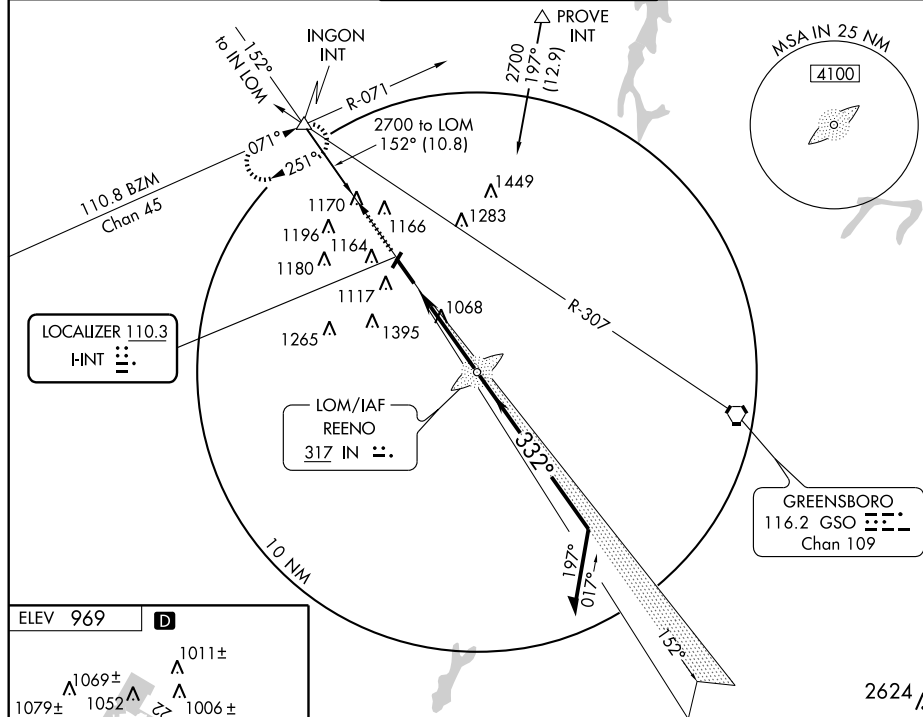
MISSED APPROACH: Climb to 3500 via 332° bearing from REENO LOM to INGN Int and hold, continue climb-in-hold to 3500.

ATIS
121.3

GREENSBORO APP CON
124.35 269.225

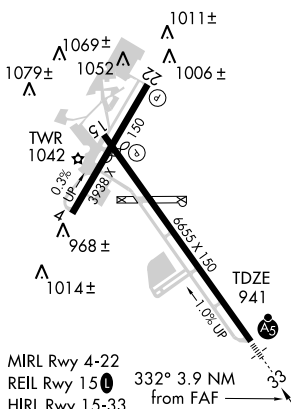
WINSTON-SALEM TOWER ★
123.75 (CTAF) 257.8

GND CON
128.25

UNICOM
122.95

ELEV 969

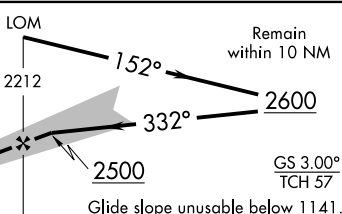
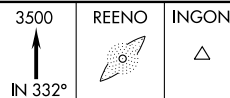
D



MIRL Rwy 4-22
REIL Rwy 15 **L** 332° 3.9 NM
HIRL Rwy 15-33 from FAF —

FAF to MAP 3.9 NM

Knots	60	90	120	150	180
Min:Sec	3:54	2:36	1:57	1:34	1:18



CATEGORY	A	B	C	D
S-ILS 33	1141/24 200 (200-½)			
S-LOC 33	1320/24 379 (400-½)			1320/40 379 (400-¾)
CIRCLING	1480-1 511 (600-1)	1580-1 611 (700-1)	1580-1¾ 611 (700-1¾)	1740-2½ 771 (800-2½)

WINSTON-SALEM, NORTH CAROLINA

Amdt 29 10266

WINSTON-SALEM / SMITH REYNOLDS (INT)

36°08'N - 80°13'W

ILS or LOC RWY 33

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2. 21 OCT 2010 to 18 NOV 2010

LAND AND HOLD SHORT OPERATIONS (LAHSO)

LAHSO is an acronym for "Land and Hold Short Operations." These operations include landing and holding short of an intersection runway, an intersecting taxiway, or other predetermined points on the runway other than a runway or taxiway. Measured distance represents the available landing distance on the landing runway, in feet.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned. The Aeronautical Information Manual contains specific details on hold-short operations and markings.

CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	MEASURED DISTANCE
CHARLESTON, SC			
CHARLESTON AFB/INTL (CHS)	03	15-33	5,543 feet
	15	03-21	5,700 feet
	33	03-21	2,900 feet
GREENSBORO, NC			
PIEDMONT TRIAD INTL (GSO)	14	05R-23L	3,450 feet
	23	14-32	9,200 feet
WINSTON-SALEM, NC			
SMITH REYNOLDS (INT)	33	04-22	6,010 feet

QUAKER THREE DEPARTURE

ATIS 121.3

GND CON

128.25

WINSTON-SALEM TOWER*

123.75 257.8

GREENSBORO DEP CON

124.35 269.225

LYNCHBURG
109.2 LYH
Chan 29
N37°15.28' - W79°14.19'
L-26-36, H-10-12

RICHMOND
114.1 RIC
Chan 88
L-34-36, H-10-12

ROANOKE
109.4 ROA
Chan 31
N37°20.61' - W80°04.23'
L-26, H-10-12

SOUTH BOSTON
110.4 SBV
Chan 41
N36°40.50' - W79°00.87'
L-26-36, H-12

NOTE: Chart not to scale.

NOTE: RADAR REQUIRED

JEANY
N36°24.33' - W79°20.27'

TAKEOFF MINIMUMS:

RWYS 4, 15, 33, STANDARD.

RWY 22, 500-2¼ or STANDARD with minimum climb of 330' per NM to 1600.

NOTE: CREWE
TRANSITION requires DME.

332°
218°
038°
152°

GREENSBORO
116.2 GSO
Chan 109
N36°02.74' - W79°58.58'

RALEIGH-DURHAM
117.2 RDU
Chan 119
N35°52.35' - W78°47.00'
L-36, H-9-12

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 4: Climb heading 038°. Thence....TAKEOFF RWY 15: Climb heading 152°. Thence....TAKEOFF RWY 22: Climb heading 218°. Thence....TAKEOFF RWY 33: Climb heading 332°. Thence....TURBOJETS: Maintain 4000. TURBOPROP/PROP: Maintain 2500 or assigned altitude.

... Expect vector to intercept assigned radial associated with issued transition. Proceed via the depicted radial to the transition fix then as filed. If no transition assigned, expect vector to appropriate fix. Expect filed altitude/flight level ten minutes after departure.

DEPARTURE ROUTE DESCRIPTION (CONTINUED)

RICHMOND TRANSITION (QUAK3.RIC): From over GSO VORTAC via GSO R-058 to JEANY INT then via GSO R-058 and RIC R-246 to CREWE DME fix. Then via RIC R-246 to RIC VORTAC.

LYNCHBURG TRANSITION (QUAK3.LYH): From over GSO VORTAC via GSO R-058 to JEANY INT then via LYH R-191 to LYH VORTAC.

RALEIGH-DURHAM TRANSITION (QUAK3.RDU): From over GSO VORTAC via GSO R-058 to JEANY INT then via RDU R-324 to RDU VORTAC.

ROANOKE TRANSITION (QUAK3.ROA): From over GSO VORTAC via GSO R-058 to JEANY INT then via ROA R-152 to ROA VORTAC.

SOUTH BOSTON TRANSITION (QUAK3.SBV): From over GSO VORTAC via GSO R-058 to JEANY INT then via SBV R-229 to SBV VORTAC.

TAKEOFF OBSTACLE NOTES:

RWY 4: Multiple trees beginning 1,014' from DER, 159' left of centerline, up to 92' AGL/1,041' MSL. Multiple trees beginning 2' from DER, 195' right of centerline, up to 62' AGL/1,051' MSL.

RWY 15: Bush and multiple trees beginning 109' from DER, 237' left of centerline, up to 81' AGL/960' MSL. Multiple trees beginning 123' from DER, 433' right of centerline, up to 66' AGL/945' MSL.

RWY 22: Multiple trees beginning 376' from DER, 136' left of centerline, up to 65' AGL/1,014' MSL. Antenna 4,538' from DER, 1,044' left of centerline, 189' AGL/1,138' MSL. Tower 2.1 NM from DER, 2,784' left of centerline, 468' AGL/1,395' MSL. Antenna on building 2.3 NM from DER, 3,230' left of centerline, 460' AGL/1,376' MSL.

RWY 33: Floodlight, multiple hangars, poles, and trees beginning 230' from DER, 41' left of centerline, up to 74' AGL/1,083' MSL. Pole, windsock, multiple buildings and trees beginning 13' from DER, 141' right of centerline, up to 85' AGL/1,084' MSL.

APP CRS 152°	Rwy Idg 6069 TDZE 968 Apt Elev 969
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RNAV (GPS) RWY 15

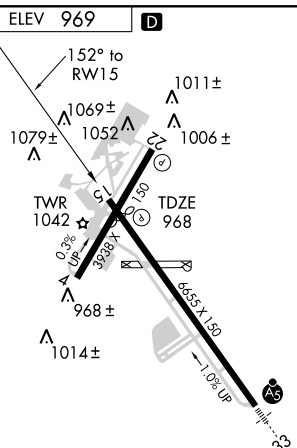
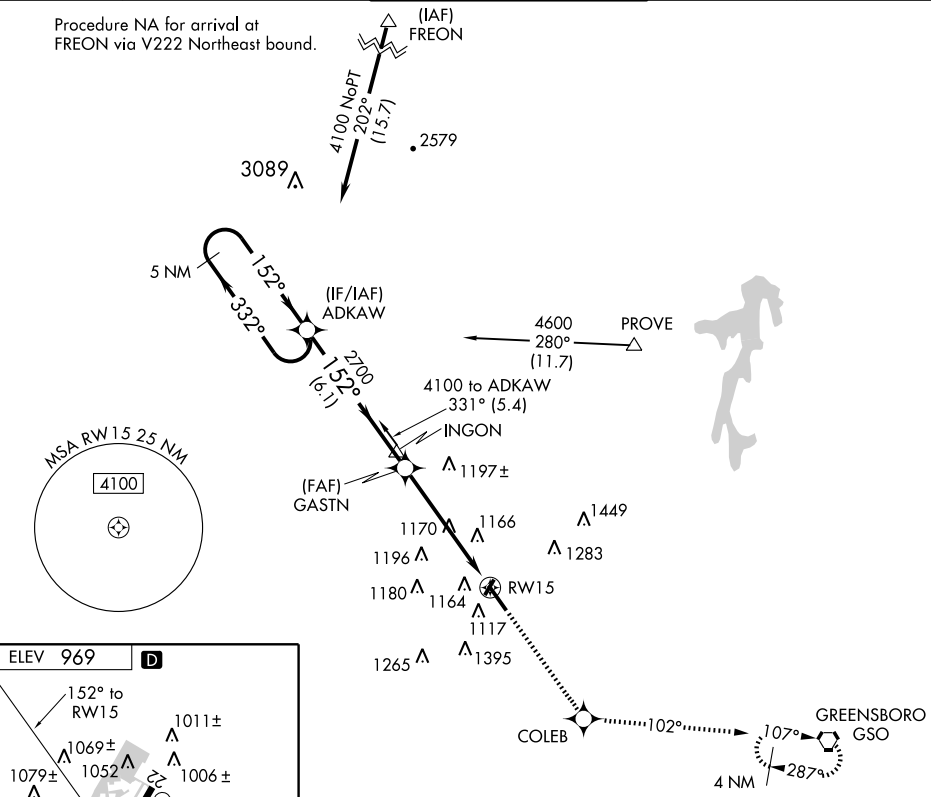
WINSTON-SALEM / SMITH REYNOLDS (INT)

▼ DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Piedmont Triad Intl altimeter setting and increase all MDA 40 feet and Circling Cat. D visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct COLEB and via track 102° to GSO VORTAC and hold.

ATIS 121.3	GREENSBORO APP CON 124.35 269.225	WINSTON-SALEM TOWER ★ 123.75 (CTAF) 0 257.8	GND CON 128.25	UNICOM 122.95
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Procedure NA for arrival at FREON via V222 Northeast bound.



MIRL Rwy 4-22
REIL Rwy 15 0
HIRL Rwy 15-33

5 NM Holding Pattern				3000	COLEB	tr 102°	GSO
ADKAW				GASTN			
4100 ← 332° → 152° → 152° → 2700				RWY 15			
				3.04° TCH 36			
				6.1 NM 5.3 NM			
CATEGORY	A		B	C		D	
LNAY MDA	1420-1		452 (500-1)	1420-1¼ 452 (500-1¼)		1420-1½ 452 (500-1½)	
CIRCLING	1480-1 511 (600-1)		1580-1 611 (700-1)	1580-1½ 611 (700-1½)		1740-2¼ 771 (800-2¼)	

WINSTON-SALEM, NORTH CAROLINA

Orig 10266

WINSTON-SALEM / SMITH REYNOLDS (INT)

36°08'N - 80°13'W

RNAV (GPS) RWY 15

WAAS CH 82011 W33A	APP CRS 332°	Rwy Idg TDZE 941 Apt Elev 969
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RNAV (GPS) RWY 33

WINSTON-SALEM / SMITH REYNOLDS (INT)

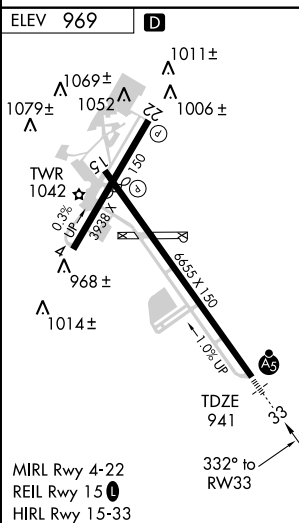
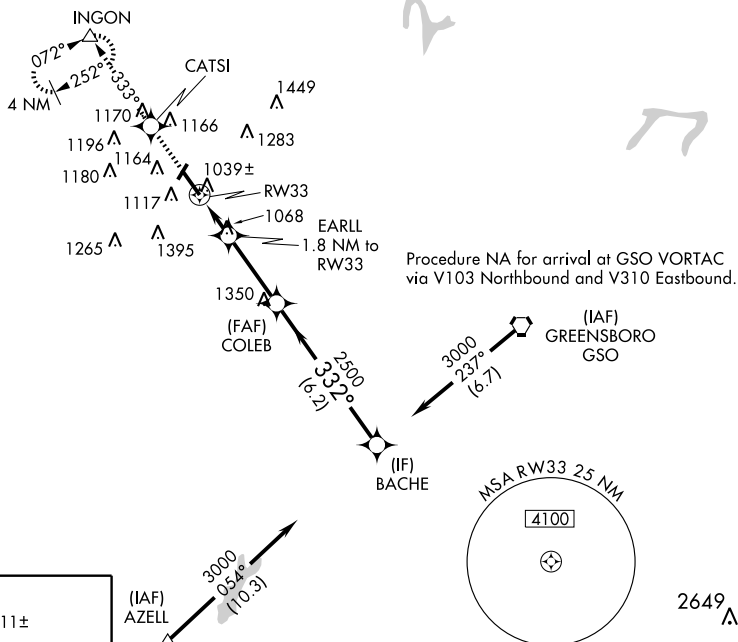
For inoperative MALS, when using Piedmont Triad Intl altimeter setting, increase LPV all Cats. visibility to 1 mile. Baro-VNAV NA when using Piedmont Triad Intl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Piedmont Triad Intl altimeter setting and increase all DA 39 feet, and all MDA 40 feet, increase LNAV/VNAV all Cats. and Circling Cat. D visibility ¼ mile.

MALSR



MISSED APPROACH:
Climb to 3500 direct CATSI and via 333° track to INCON and hold, continue climb-in-hold to 3500.

ATIS 121.3	GREENSBORO APP CON 124.35 269.225	WINSTON-SALEM TOWER ★ 123.75 (CTAF) 0 257.8	GND CON 128.25	UNICOM 122.95
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3500	CATSI	tr 333°	INGON	BACHE
				3000
* LNAV only.				
	EARLL 1.8 NM to RW33	COLEB		Procedure Turn NA
	RW33			GS 3.00° TCH 57
	1.8 NM	3 NM	6.2 NM	
CATEGORY	A	B	C	D
LPV DA	1141/24 200 (200-½)			
LNAV/VNAV DA	1407/60 466 (500-1¼)			
LNAV MDA	1380/24	439 (500-½)	1380/40 439 (500-¾)	1380/50 439 (500-1)
CIRCLING	1480-1 511 (600-1)	1580-1 611 (700-1)	1580-1¾ 611 (700-¾)	1740-2½ 771 (800-2½)

SMOKN THREE ARRIVAL (SMOKN.SMOKN3)

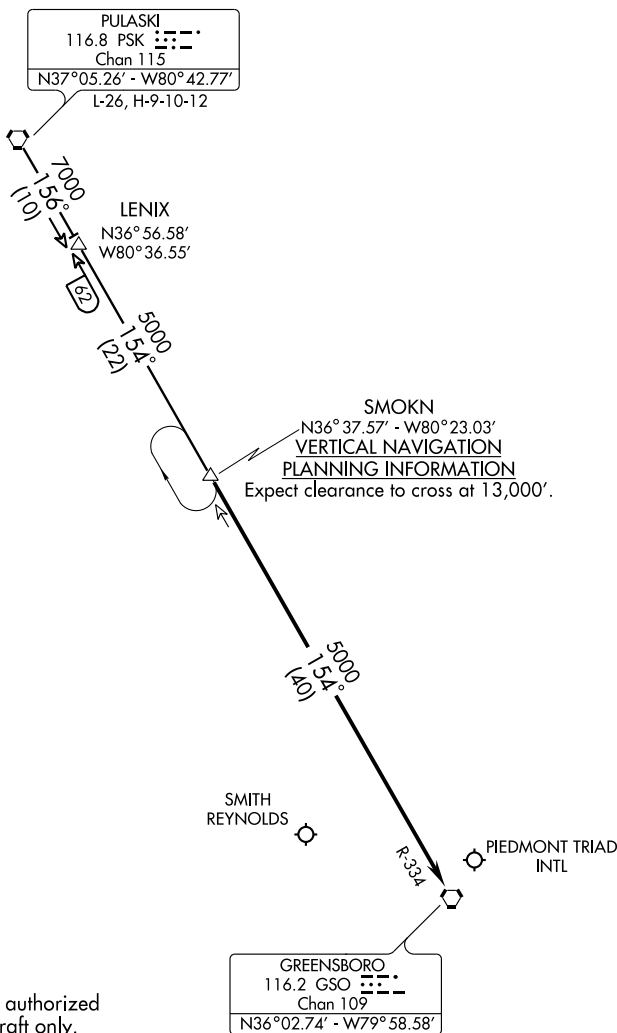
GREENSBORO, NORTH CAROLINA

GREENSBORO ATIS

128.55

WINSTON-SALEM ATIS

121.3

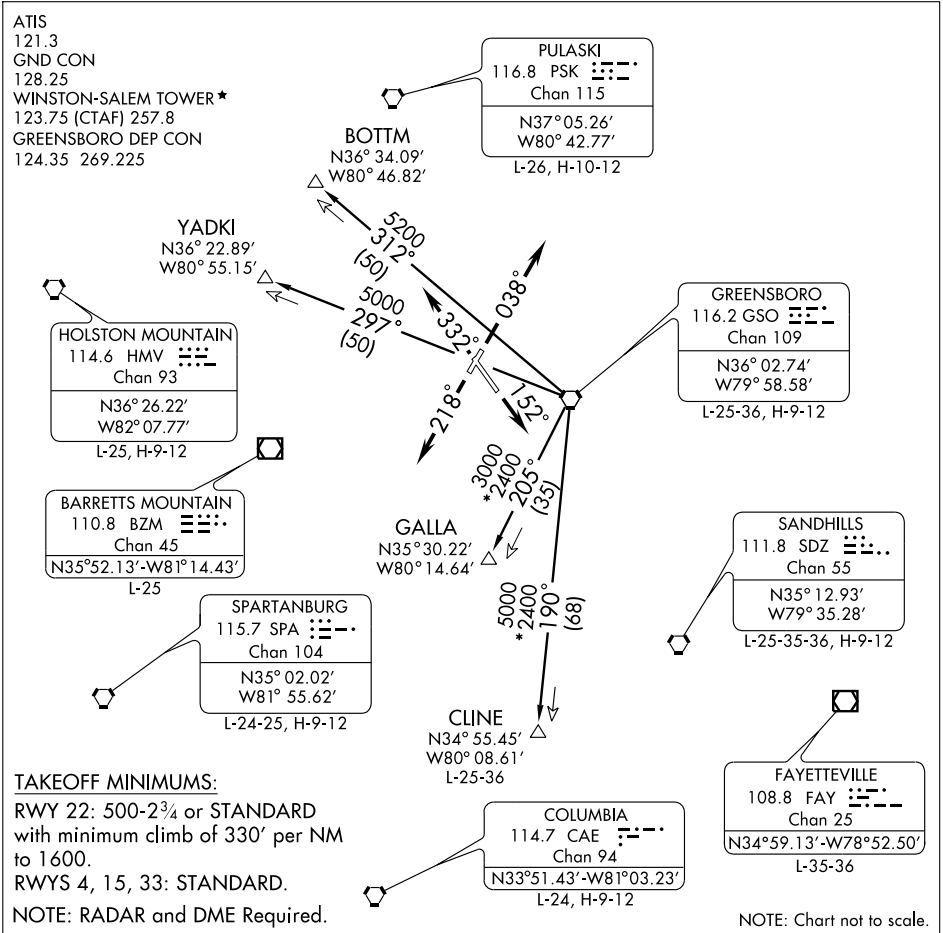


NOTE: This procedure is authorized for propeller aircraft only.

NOTE: Chart not to scale.

PULASKI TRANSITION (PSK.SMOKN3): From over PSK VORTAC via PSK R-156 to LENIX INT. Thence via GSO R-334 to SMOKN INT. Thence....

...From over SMOKN INT via GSO R-334 to GSO VORTAC. Expect radar vectors to final approach course.



TAKEOFF MINIMUMS:
RWY 22: 500-2¾ or STANDARD
with minimum climb of 330' per NM
to 1600.
RWYS 4, 15, 33: STANDARD.
NOTE: RADAR and DME Required.

▼

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 4: Climb heading 038°. Thence. . .
TAKEOFF RWY 15: Climb heading 152°. Thence. . .
TAKEOFF RWY 22: Climb heading 218°. Thence. . .
TAKEOFF RWY 33: Climb heading 332°. Thence. . .

Turbojets: Maintain 4000.
Turboprop/Prop: Maintain 2500 or assigned altitude.
Expect vector to intercept assigned radial associated with the issued transition.
Proceed via the depicted radial to the transition fix; thence as filed. If no transition assigned, expect vector to the appropriate fix. Expect filed altitude/flight level ten minutes after departure.

(NARRATIVE ON FOLLOWING PAGE)

BOTTM TRANSITION (TRI6.BOTTM): From over GSO VORTAC via GSO R-312 to BOTTM.
CLINE TRANSITION (TRI6.CLINE): From over GSO VORTAC via GSO R-190 to CLINE.
GALLA TRANSITION (TRI6.GALLA): From over GSO VORTAC via GSO R-205 to GALLA.
YADKI TRANSITION (TRI6.YADKI): From over GSO VORTAC via GSO R-297 to YADKI.

TAKEOFF OBSTACLE NOTES:

RWY 4: Multiple trees beginning 1,014' from DER, 159' left of centerline, up to 92' AGL/1,041' MSL. Multiple trees beginning 2' from DER, 195' right of centerline, up to 62' AGL/1,051' MSL.

RWY 15: Bush and multiple trees beginning 109' from DER, 237' left of centerline, up to 81' AGL/960' MSL. Multiple trees beginning 123' from DER, 433' right of centerline, up to 66' AGL/945' MSL.

RWY 22: Multiple trees beginning 376' from DER, 136' left of centerline, up to 65' AGL/1,014' MSL. Antenna 4,538' from DER, 1,044' left of centerline, 189' AGL/1,138' MSL. Tower 2.1 NM from DER, 2,784' left of centerline, 468' AGL/1,395' MSL. Antenna on building 2.3 NM from DER, 3,230' left of centerline, 460' AGL/1,376' MSL.

RWY 33: Floodlight, multiple hangars, poles, and trees beginning 230' from DER, 41' left of centerline, up to 74' AGL/1,083' MSL. Pole, windsock, multiple buildings and trees beginning 13' from DER, 141' right of centerline, up to 85' AGL/1,084' MSL.

SE-2, 21 OCT 2010 to 18 NOV 2010

SE-2, 21 OCT 2010 to 18 NOV 2010

VORTAC GSO 116.2 Chan 109	APP CRS 118°	Rwy Idg 6069 TDZE 968 Apt Elev 970
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VOR/DME RWY 15
WINSTON-SALEM / SMITH REYNOLDS (INT)



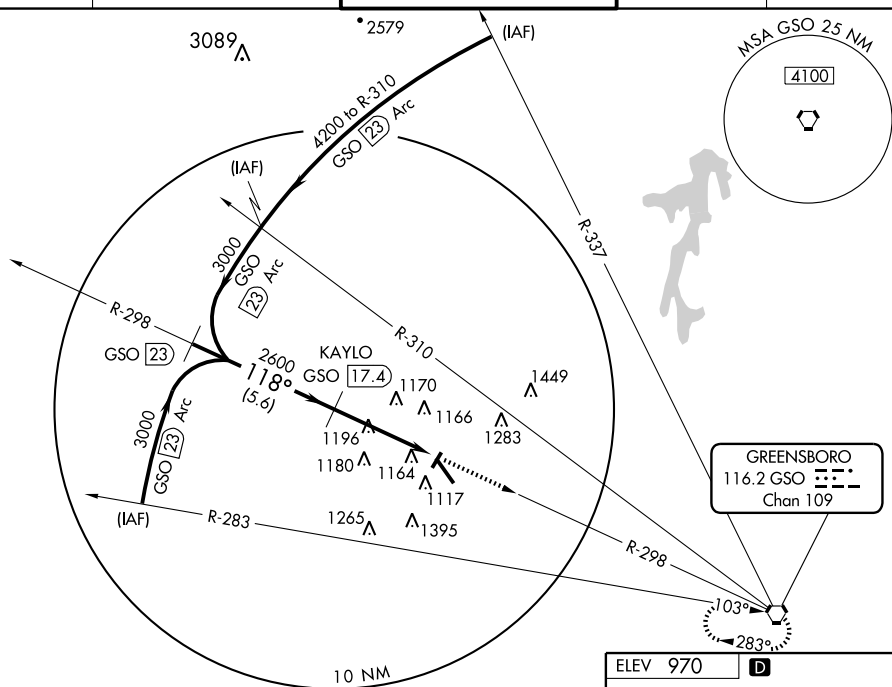
MISSED APPROACH: Climb to 3000
direct GSO VORTAC and hold.

ATIS
121.3

GREENSBORO APP CON
124,35 269,225

WINSTON-SALEM TOWER ★
123.75 (CTAF) **L** 257.8

GND CON
128,25

UNICOM
122.95

Procedure

Turn NA

GSO
23

3000

KAYLO
GSO 17.4

3000

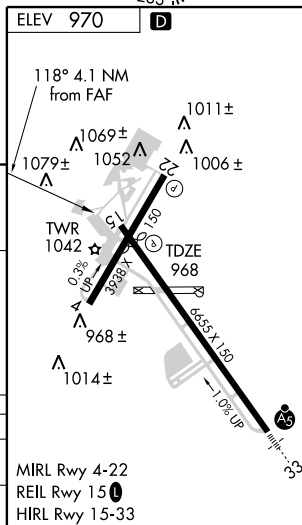
GSC

VGSI and descent angles not coincident.

3.66°

1

CATEGORY	A	B	C	D
S-15	1500-1	532 (600-1)	1500-1½ 532 (600-1½)	1500-1¾ 532 (600-1¾)
CIRCLING	1500-1 530 (600-1)	1580-1 610 (700-1)	1580-1¾ 610 (700-1¾)	1740-2½ 770 (800-2½)



WINSTON-SALEM, NORTH CAROLINA
Amdt 1B 10266

WINSTON-SALEM / SMITH REYNOLDS (INT)

36°08'N - 80°13'W

VOR/DME RWY 15

SE-2, 21 OCT 2010 to 18 NOV 2010

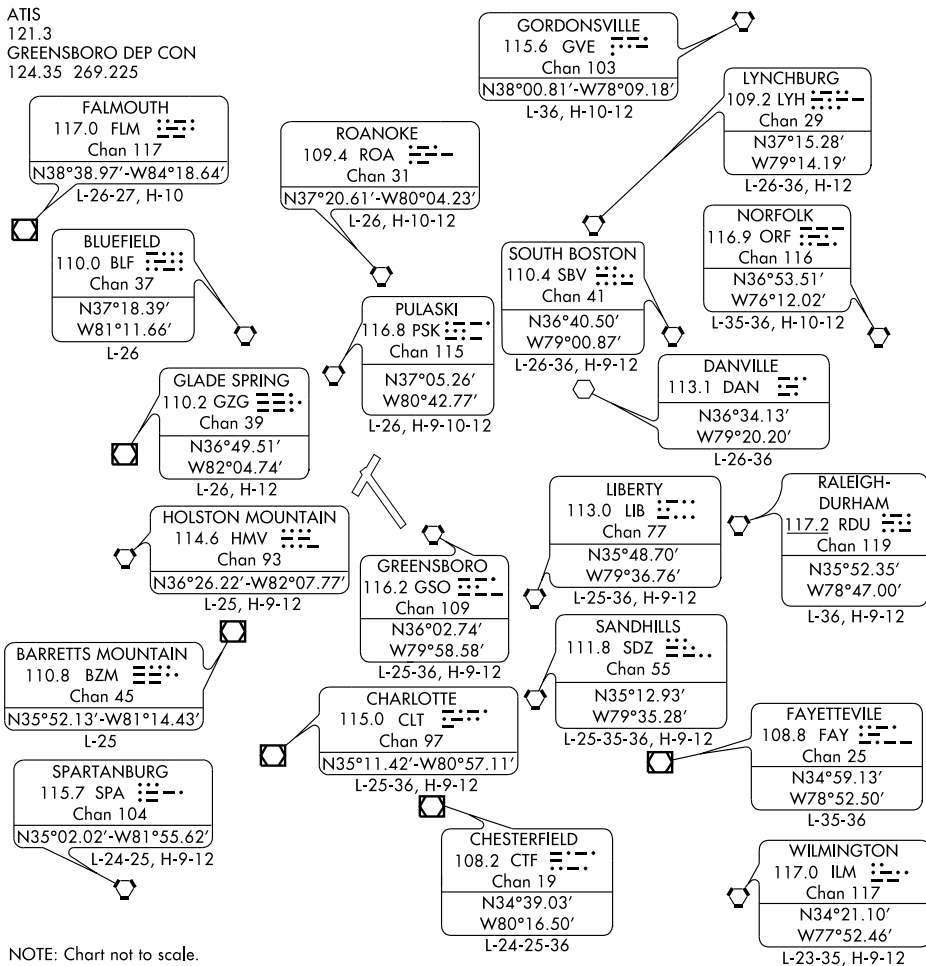
SE-2. 21 OCT 2010 to 18 NOV 2010

WINSTON ONE DEPARTURE

WINSTON-SALEM/SMITH REYNOLDS (INT)

WINSTON-SALEM, NORTH CAROLINA

ATIS
121.3
GREENSBORO DEP CON
124.35 269.225



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

All aircraft cleared as filed.

TURBOJET: Fly runway heading or heading assigned by tower, maintain 5000 feet or assigned altitude. Thence....

PROPELLER AIRCRAFT: Fly runway heading or heading assigned by tower, maintain assigned altitude. Thence....

....Expect vectors to join filed route. Expect filed altitude 10 minutes after departure.